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<110> Human Genome Sciences, Inc.

<120> Albumin Fusion Proteins

<130> PF546

<140> 09/833,245

<141> 2001-04-12

<160> 2277

<170> PatentIn Ver. 2.1

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Glu	Asn	Phe	Lys	Ala	Leu	Val	Leu	Ile	Ala	Phe	Ala	Gln	Tyr	Leu	Gln	
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cag	tgt	cca	ttt	gaa	gat	cat	gta	aaa	tta	gtg	aat	gaa	gta	act	gaa	144
Gln	Cys	Pro	Phe	Glu	Asp	His	Val	Lys	Leu	Val	Asn	Glu	Val	Thr	Glu	
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Phe	Ala	Lys	Thr	Cys	Val	Ala	Asp	Glu	Ser	Ala	Glu	Asn	Cys	Asp	Lys	
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Ser	Leu	His	Thr	Leu	Phe	Gly	Asp	Lys	Leu	Cys	Thr	Val	Ala	Thr	Leu	
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cgt	gaa	acc	tat	ggt	gaa	atg	gct	gac	tgc	tgt	gca	aaa	caa	gaa	cct	288
Arg	Glu	Thr	Tyr	Gly	Glu	Met	Ala	Asp	Cys	Cys	Ala	Lys	Gln	Glu	Pro	
				85					90					95		
gag	aga	aat	gaa	tgc	ttc	ttg	caa	cac	aaa	gat	gac	aac	cca	aac	ctc	336
Glu	Arg	Asn	Glu	Cys	Phe	Leu	Gln	His	Lys	Asp	Asp	Asn	Pro	Asn	Leu	
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ccc	cga	ttg	gtg	aga	cca	gag	ggt	gat	gtg	atg	tgc	act	gct	ttt	cat	384
Pro	Arg	Leu	Val	Arg	Pro	Glu	Val	Asp	Val	Met	Cys	Thr	Ala	Phe	His	
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gac	aat	gaa	gag	aca	ttt	ttg	aaa	aaa	tac	tta	tat	gaa	att	gcc	aga	432
Asp	Asn	Glu	Glu	Thr	Phe	Leu	Lys	Lys	Tyr	Leu	Tyr	Glu	Ile	Ala	Arg	
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Arg	His	Pro	Tyr	Phe	Tyr	Ala	Pro	Glu	Leu	Leu	Phe	Phe	Ala	Lys	Arg	
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tat	aaa	gct	gct	ttt	aca	gaa	tgt	tgc	caa	gct	gct	gat	aaa	gct	gcc	528
Tyr	Lys	Ala	Ala	Phe	Thr	Glu	Cys	Cys	Gln	Ala	Ala	Asp	Lys	Ala	Ala	
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tgc	ctg	ttg	cca	aag	ctc	gat	gaa	ctt	cgg	gat	gaa	ggg	aag	gct	tcg	576
Cys	Leu	Leu	Pro	Lys	Leu	Asp	Glu	Leu	Arg	Asp	Glu	Gly	Lys	Ala	Ser	
			180					185					190			
tct	gcc	aaa	cag	aga	ctc	aaa	tgt	gcc	agt	ctc	caa	aaa	ttt	gga	gaa	624
Ser	Ala	Lys	Gln	Arg	Leu	Lys	Cys	Ala	Ser	Leu	Gln	Lys	Phe	Gly	Glu	
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Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro	
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aaa gct gag ttt gca gaa gtt tcc aag tta gtg aca gat ctt acc aaa	720
Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys	
225 230 235 240	
gtc cac acg gaa tgc tgc cat gga gat ctg ctt gaa tgt gct gat gac	768
Val His Thr Glu Cys Cys His Gly Asp Leu Leu Glu Cys Ala Asp Asp	
245 250 255	
agg gcg gac ctt gcc aag tat atc tgt gaa aat cag gat tcg atc tcc	816
Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser	
260 265 270	
agt aaa ctg aag gaa tgc tgt gaa aaa cct ctg ttg gaa aaa tcc cac	864
Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser His	
275 280 285	
tgc att gcc gaa gtg gaa aat gat gag atg cct gct gac ttg cct tca	912
Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser	
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tta gct gct gat ttt gtt gaa agt aag gat gtt tgc aaa aac tat gct	960
Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala	
305 310 315 320	
gag gca aag gat gtc ttc ctg ggc atg ttt ttg tat gaa tat gca aga	1008
Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg	
325 330 335	
agg cat cct gat tac tct gtc gtg ctg ctg ctg aga ctt gcc aag aca	1056
Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr	
340 345 350	
tat gaa acc act cta gag aag tgc tgt gcc gct gca gat cct cat gaa	1104
Tyr Glu Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu	
355 360 365	
tgc tat gcc aaa gtg ttc gat gaa ttt aaa cct ctt gtg gaa gag cct	1152
Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro	
370 375 380	
cag aat tta atc aaa caa aac tgt gag ctt ttt gag cag ctt gga gag	1200
Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu	
385 390 395 400	
tac aaa ttc cag aat gcg cta tta gtt cgt tac acc aag aaa gta ccc	1248
Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro	
405 410 415	

caa gtg tca act cca act ctt gta gag gtc tca aga aac cta gga aaa	1296
Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys	
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gtg ggc agc aaa tgt tgt aaa cat cct gaa gca aaa aga atg ccc tgt	1344
Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys	
435 440 445	
gca gaa gac tat cta tcc gtg gtc ctg aac cag tta tgt gtg ttg cat	1392
Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu Cys Val Leu His	
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gag aaa acg cca gta agt gac aga gtc aca aaa tgc tgc aca gag tcc	1440
Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser	
465 470 475 480	
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Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr	
485 490 495	
tac gtt ccc aaa gag ttt aat gct gaa aca ttc acc ttc cat gca gat	1536
Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp	
500 505 510	
ata tgc aca ctt tct gag aag gag aga caa atc aag aaa caa act gca	1584
Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala	
515 520 525	
ctt gtt gag ctt gtg aaa cac aag ccc aag gca aca aaa gag caa ctg	1632
Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu	
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aaa gct gtt atg gat gat ttc gca gct ttt gta gag aag tgc tgc aag	1680
Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys	
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gct gac gat aag gag acc tgc ttt gcc gag gag ggt aaa aaa ctt gtt	1728
Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly Lys Lys Leu Val	
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of the Therapeutic Protein

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of the Therapeutic Protein

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<400> 26

gcgcgcgttt aaacggccgg ccggcgcgcc ttattannnn nnnnnnnnnn n

51

<210> 27

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> forward primer useful for generation of albumin fusion protein in which the albumin moiety is c-terminal of the Therapeutic Protein

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<400> 27
aggagcgtcg acaaaagann nnnnnnnnnn nnn

33

<210> 28
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fusion protein in which the albumin moiety is c-terminal of
the Therapeutic Protein

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ctttaaactcg atgagcaacc tcactcttgt gtgcacnnn nnnnnnnnnn nn 52

<210> 29
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<221> signal
<223> signal peptide of natural human serum albumin protein

<400> 29
Met Lys Trp Val Ser Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
1 5 10 15
Tyr Ser Arg Ser Leu Asp Lys Arg
20

<210> 30

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<211> 114
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albumin fusion VECTOR

<220>
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<222> (5)..(10)
<223> BamHI restriction site

<220>
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<222> (11)..(16)
<223> Hind III restriction site

<220>
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<222> (17)..(27)
<223> Kozak sequence

<220>
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<222> (25)..(97)
<223> cds natural signal sequence of human serum albumin

<220>
<221> misc_feature
<222> (75)..(81)
<223> XhoI restriction site

<220>
<221> misc_feature
<222> (98)..(114)
<223> cds first six amino acids of human serum albumin

<400> 30
tcagggatcc aagcttcgc caccatgaag tgggtaacct ttatttcct tctttttctc 60

tttagctcgg cttactcgag ggggtgtgtt cgctcgatg cacacaagag tgag      114

<210> 31
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind

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<223> reverse primer useful for generation of
PC4:HSA albumin fusion VECTOR

<220>
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<222> (6)..(11)
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<220>
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<222> (12)..(17)
<223> EcoRI restriction site

<220>
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<222> (15)..(17)
<223> reverse complement of stop codon

<220>
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<222> (18)..(25)
<223> AscI restriction site

<220>
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<222> (18)..(43)
<223> reverse complement of DNA sequence encoding last 9 amino acids

<400> 31
gcagcgggtac cgaattcggc ggcgcttata agcctaaggc agc 43

<210> 32
<211> 46
<212> DNA
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<220>
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protein into pC4:HSA vector

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 <400> 32
 ccgccgctcg aggggtgtgt ttcgtcgann nnnnnnnnnn nnnnnn

46

<210> 33
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<210> 34
<211> 17
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<220>
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<223> Stanniocalcin signal peptide

<400> 34
Met Leu Gln Asn Ser Ala Val Leu Leu Leu Leu Val Ile Ser Ala Ser
1 5 10 15

Ala

<210> 35
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<221> signal
<223> Synthetic signal peptide

<400> 35
Met Pro Thr Trp Ala Trp Trp Leu Phe Leu Val Leu Leu Leu Ala Leu
1 5 10 15

Trp Ala Pro Ala Arg Gly
20

<210> 36
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> primer_bind
<223> Degenerate VH forward primer useful for
amplifying human VH domains

<400> 36
caggtgcagc tgggtgcagtc tgg 23

<210> 37
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
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<223> Degenerate VH forward primer useful for
amplifying human VH domains

<400> 37
caggtcaact taagggagtc tgg 23

<210> 38
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
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<223> Degenerate VH forward primer useful for
amplifying human VH domains

<400> 38

gaggtgcagc tggaggagtc tgg 23

<210> 39
<211> 23
<212> DNA
<213> Artificial Sequence

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<400> 39
caggtgcagc tgcaggagtc ggg 23

<210> 40
<211> 23
<212> DNA
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<400> 40
gaggtgcagc tgttgagtc tgc 23

<210> 41
<211> 23
<212> DNA
<213> Artificial Sequence

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<400> 41
caggtacagc tgcagcagtc agg 23

<210> 42
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<213> Artificial Sequence

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<223>Degenerate JH reverse primer useful for
amplifying human VH domains

<400> 42
 tgaggagacg gtgaccaggg tgcc 24

<210> 43
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<220>
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<400> 43
 tgaagagacg gtgaccattg tccc 24

<210> 44
 <211> 24
 <212> DNA
 <213> Artificial Sequence

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<400> 44
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<210> 45
 <211> 24
 <212> DNA
 <213> Artificial Sequence

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<400> 45
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<210> 46
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 46
 gacatccaga tgacccagtc tcc 23

<210> 47
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 47
 gatgttgtga tgactcagtc tcc 23

<210> 48
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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<400> 48
 gatattgtga tgactcagtc tcc 23

<210> 49
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 <212> DNA
 <213> Artificial Sequence

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<210> 50
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<210> 51
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 <212> DNA
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<210> 52
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<400> 52
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<210> 53
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<220>
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<400> 53
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<210> 54
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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<400> 54
 cagtctgccc tgactcagcc tgc 23

<210> 55
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 55
 tcctatgtgc tgactcagcc acc 23

<210> 56
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 56
 tcttctgagc tgactcagga ccc 23

<210> 57
 <211> 23
 <212> DNA
 <213> Artificial Sequence

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<400> 57
 cacgttatac tgactcaacc gcc 23

<210> 58
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 58
 caggctgtgc tcactcagcc gtc 23

<210> 59
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 <212> DNA
 <213> Artificial Sequence

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<400> 59
 aattttatgc tgactcagcc cca 23

<210> 60
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 60
 acgtttgatt tccaccttgg tccc 24

<210> 61
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 61
 acgtttgatc tccagcttgg tccc 24

<210> 62
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
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 amplifying human VL domains

<400> 62
 acgttttgata tccacttttg tccc 24

<210> 63
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 63
 acgtttgatc tccaccttg tccc 24

<210> 64
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
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 <223>Degenerate Jkappa reverse primer useful for
 amplifying human VL domains

<400> 64
 acgtttaatc tccagtcgtg tccc 24

<210> 65
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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 <223>Degenerate Jlambda reverse primer useful for
 amplifying human VL domains

<400> 65
 cagtctgtgt tgacgcagcc gcc 23

<210> 66
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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 amplifying human VL domains

<400> 66
 cagtctgccc tgactcagcc tgc 23

<210> 67
 <211> 23
 <212> DNA
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 amplifying human VL domains

<400> 67
 tcctatgtgc tgactcagcc acc 23

<210> 68
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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 <223>Degenerate Jlambda reverse primer useful for
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<400> 68
 tcttctgagc tgactcagga ccc 23

<210> 69
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 69
 cacgttatac tgactcaacc gcc 23

<210> 70
 <211> 23
 <212> DNA
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<220>
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 <223>Degenerate Jlambda reverse primer useful for
 amplifying human VL domains

<400> 70
caggctgtgc tcactcagcc gtc 23

<210> 71
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
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amplifying human VL domains

<400> 71
aatatttatgc tgactcagcc cca 23

<210> 72
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
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<223>Linker peptide that may be used to join VH
and VL domains in an scFv.

<400> 72
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 73
<211> 101
<212> PRT
<213> Homo sapiens

<400> 73
Pro Ala Leu Phe Ile Cys Val Ile Ile Phe Val Asn Ile Val Phe Ser
1 5 10 15

Val Val Ala Thr Ser Ser Pro Pro Ala Ser Gly Ser Val Cys Leu Pro
20 25 30

Gly Leu Leu Ala Pro His Trp Ala Ala Pro Gly Ser Leu Pro Leu Ile
35 40 45

Pro Gly Leu Ala Val Arg Pro Ser Gln Gln Gly Pro Val Thr Gln Gln
50 55 60

Pro Ala Gln Ser Ile Cys Phe Trp Gly Met Gly Trp Gly Leu Leu His

65		70		75		80									
Arg	Arg	Phe	Glu	Pro	Ser	Thr	Leu	Gly	Lys	Gly	Thr	Leu	His	Asp	Thr
				85					90					95	

Pro Leu Pro Pro Ser
 . 100

<210> 74
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<400> 74
Arg Pro Ser Leu Pro Lys Cys Ala Ala Leu Val His Val Pro Asn Gly
1 5 10 15

Pro Ser Pro His Ala Pro Pro Xaa Ser Gly Val Gly Ala Pro Ser Glu
20 25 30

Val Ser Glu Ser Leu Lys Cys Ser Phe Val Arg Pro Leu Cys Ser Asp
35 40 45

Ser Pro Gly Gln Ala Thr Ser Asn Pro Leu
50 55

<210> 75
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 75
Asp Leu Asp Leu Met Glu Ser Gly Val Ser Thr His Asn Met Ser Ser
1 5 10 15

Trp Thr Leu Gly Ile His Cys Glu Gln Ala Gly Trp Gly Leu Pro Ala
20 25 30

Gln Ile Gly Ala Ile Leu Phe Cys Ile Leu Phe Gln Gly Val Leu Asn
35 40 45

Thr Leu Lys Gln Val Glu Ala Pro Ala Pro Asp Trp Glu Leu Leu Glu
50 55 60

Arg Pro Pro Cys Val Cys Val Val Leu Ser Trp Ser His Ile Glu Ser
65 70 75 80

Gly Trp Gly Ser Ser Thr Arg Gln Ser Pro Ser Asn Ser Gln Val Leu
85 90 95

Ala Pro Ser Gly Lys Ala Asp Thr Leu Ser Trp Arg Arg Pro Arg Lys
100 105 110

Ser Gly Leu Arg Val Ala Ala
115

<210> 76
<211> 90
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<400> 76
Val Thr Cys Gln Xaa Val Leu Pro Ser Pro Val Tyr Leu Cys Asn Tyr
1 5 10 15

Phe Cys Lys His Cys Ile Leu Cys Gly Arg His Leu Leu Ala Pro Ser
20 25 30

Leu Gly Phe Ser Leu Ser Ser Arg Pro Ala Cys Thr Ser Leu Gly Cys
35 40 45

Ser Gly Val Ser Ala Pro His Ser Arg Pro Gly Cys Gln Ala Gln Pro
50 55 60

Ala Gly Ala Arg Asp Pro Ala Ala Cys Pro Lys His Leu Phe Leu Gly
65 70 75 80

Asp Gly Val Gly Ala Ala Pro Gln Glu Val
85 90

<210> 77
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<212> PRT
<213> Homo sapiens

<220>

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 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 77
 Met Asp Pro Ala Ala Val Ala Leu Leu Ala Leu Ser Leu Pro Cys Ala
 1 5 10 15
 Leu Val Gly Val Gln Trp Glu Gln Ala Pro Trp Gly Xaa Trp Arg Leu
 20 25 30
 Ser Xaa Ser Ala Xaa Thr Pro Glu Thr Pro Ser Trp Arg Leu Cys Pro
 35 40 45
 Leu Arg Asp Tyr Pro Lys Pro Gly Gln Arg Ser Gly Gly Asp Arg Gly
 50 55 60
 Ser His Ile Arg Ser Leu
 65 70

<210> 78
 <211> 194
 <212> PRT
 <213> Homo sapiens

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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 78

Gln Trp Xaa Gly Gln Gly Ser Leu Cys Pro Trp Tyr Cys Cys Pro Gly
1 5 10 15

Xaa Val Ser Ala Val Thr Leu Leu Pro Ser Trp Trp Leu Leu Arg Pro
20 25 30

Xaa Phe Val Leu Leu Phe Leu Pro Lys Cys Leu Ser Ser Pro Ser Cys
35 40 45

Ile Lys Tyr Pro Cys Cys Ala Thr Asn Tyr Leu Glu Leu Gly Asp Phe
50 55 60

Thr Thr Thr Ala Cys Gln Arg Pro Ala Val Asp Glu Gly Leu Gly Gly
65 70 75 80

Met Ala Gly Pro Ala Gln Gly Ser Leu Ala Glu Val Gly Ala Glu Ala
85 90 95

Ala Arg His Trp Arg Leu Gly Leu Ser His Thr Pro Trp Leu Leu Gly
100 105 110

Gly Cys Ile Leu Leu Ser Ser Leu Ser Ser Arg Gly Cys Thr Leu Gly
115 120 125

Cys Arg Pro Pro Val Ser Leu Thr Gly Tyr Ser Trp Gly Ser Leu Arg
130 135 140

Ser Trp Arg Cys Pro Gln Pro Pro Ser Pro Arg Leu Pro Pro Pro His
145 150 155 160

Thr Leu Arg Pro Gln Arg Phe Val Arg Val His Glu Ile Leu Glu Leu
165 170 175

Pro Gly Cys Ser Phe Cys Asn Ile Phe Asn Ile Cys Asn Pro Val Lys
180 185 190

Tyr Gln

<210> 79

<211> 103

<212> PRT

<213> Homo sapiens

<400> 79

Met Asp Pro Ala Ala Val Ala Leu Leu Ala Leu Ser Leu Pro Cys Ala
1 5 10 15

Leu Val Gly Val Gln Trp Glu Gln Ala Pro Trp Gly Pro Trp Arg Leu

	20		25		30										
Ser	Leu	Leu	Ser	Pro	His	Pro	Arg	Asp	Pro	Ile	Val	Ala	Pro	Val	Ser
	35						40					45			
Thr	Gln	Gly	Leu	Ser	Gln	Ala	Trp	Pro	Glu	Val	Gly	Arg	Gly	Gln	Arg
	50					55					60				
Glu	Pro	His	Arg	Ser	Leu	Tyr	Gln	Pro	Leu	Ser	Tyr	His	Arg	Val	Gly
	65				70					75					80
Ala	Leu	Pro	Ser	His	Arg	Val	Ser	Gly	Leu	Trp	Ala	Pro	Pro	Ser	Cys
				85					90					95	
Thr	Gly	Pro	Arg	Gly	His	Phe									
	100														

<210> 80
 <211> 477
 <212> PRT
 <213> Homo sapiens

<400> 80
Met Ala Ala Pro Thr Pro Ala Arg Pro Val Leu Thr His Leu Leu Val
1 5 10 15
Ala Leu Phe Gly Met Gly Ser Trp Ala Ala Val Asn Gly Ile Trp Val
20 25 30
Glu Leu Pro Val Val Val Lys Glu Leu Pro Glu Gly Trp Ser Leu Pro
35 40 45
Ser Tyr Val Ser Val Leu Val Ala Leu Gly Asn Leu Gly Leu Leu Val
50 55 60
Val Thr Leu Trp Arg Arg Leu Ala Pro Gly Lys Asp Glu Gln Val Pro
65 70 75 80
Ile Arg Val Val Gln Val Leu Gly Met Val Gly Thr Ala Leu Leu Ala
85 90 95
Ser Leu Trp His His Val Ala Pro Val Ala Gly Gln Leu His Ser Val
100 105 110
Ala Phe Leu Ala Leu Ala Phe Val Leu Ala Leu Ala Cys Cys Ala Ser
115 120 125
Asn Val Thr Phe Leu Pro Phe Leu Ser His Leu Pro Pro Arg Phe Leu
130 135 140

Arg	Ser	Phe	Phe	Leu	Gly	Gln	Gly	Leu	Ser	Ala	Leu	Leu	Pro	Cys	Val	145	150	155	160
Leu	Ala	Leu	Val	Gln	Gly	Val	Gly	Arg	Leu	Glu	Cys	Pro	Pro	Ala	Pro	165	170	175	
Ile	Asn	Gly	Thr	Pro	Gly	Pro	Pro	Leu	Asp	Phe	Leu	Glu	Arg	Phe	Pro	180	185	190	
Ala	Ser	Thr	Phe	Phe	Trp	Ala	Leu	Thr	Ala	Leu	Leu	Val	Ala	Ser	Ala	195	200	205	
Ala	Ala	Phe	Gln	Gly	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Pro	Ser	Val	210	215	220	
Pro	Thr	Gly	Glu	Leu	Gly	Ser	Gly	Leu	Gln	Val	Gly	Ala	Pro	Gly	Ala	225	230	235	240
Glu	Glu	Glu	Val	Glu	Glu	Ser	Ser	Pro	Leu	Gln	Glu	Pro	Pro	Ser	Gln	245	250	255	
Ala	Ala	Gly	Thr	Thr	Pro	Gly	Pro	Asp	Pro	Lys	Ala	Tyr	Gln	Leu	Leu	260	265	270	
Ser	Ala	Arg	Ser	Ala	Cys	Leu	Leu	Gly	Leu	Leu	Ala	Ala	Thr	Asn	Ala	275	280	285	
Leu	Thr	Asn	Gly	Val	Leu	Pro	Ala	Val	Gln	Ser	Phe	Ser	Cys	Leu	Pro	290	295	300	
Tyr	Gly	Arg	Leu	Ala	Tyr	His	Leu	Ala	Val	Val	Leu	Gly	Ser	Ala	Ala	305	310	315	320
Asn	Pro	Leu	Ala	Cys	Phe	Leu	Ala	Met	Gly	Val	Leu	Cys	Arg	Tyr	Thr	325	330	335	
Arg	Thr	Pro	Ser	Pro	Cys	Ala	Gly	Gly	Thr	Gln	Gly	Trp	Glu	Pro	Gly	340	345	350	
Pro	Gly	Ala	Val	Ser	Pro	Asp	Ile	Leu	Leu	Ala	His	Cys	Arg	Ser	Leu	355	360	365	
Ala	Gly	Leu	Gly	Gly	Leu	Ser	Leu	Leu	Gly	Val	Phe	Cys	Gly	Gly	Tyr	370	375	380	
Leu	Met	Ala	Leu	Ala	Val	Leu	Ser	Pro	Cys	Pro	Pro	Leu	Val	Gly	Thr	385	390	395	400
Ser	Ala	Gly	Val	Val	Leu	Val	Val	Leu	Ser	Trp	Val	Leu	Cys	Leu	Gly	405	410	415	
Val	Phe	Ser	Tyr	Val	Lys	Val	Ala	Ala	Ser	Ser	Leu	Leu	His	Gly	Gly				

Ile	Asn	Gly	Thr	Pro	Gly	Pro	Pro	Leu	Asp	Phe	Leu	Glu	Arg	Phe	Pro	180	185	190
Ala	Ser	Thr	Phe	Phe	Trp	Ala	Leu	Thr	Ala	Leu	Leu	Val	Ala	Ser	Ala	195	200	205
Ala	Ala	Phe	Gln	Gly	Leu	Leu	Leu	Leu	Leu	Pro	Pro	Pro	Pro	Ser	Val	210	215	220
Pro	Thr	Gly	Glu	Leu	Gly	Ser	Gly	Leu	Gln	Val	Gly	Ala	Pro	Gly	Ala	225	230	235
Glu	Glu	Glu	Val	Glu	Glu	Ser	Ser	Pro	Leu	Gln	Glu	Pro	Pro	Ser	Gln	245	250	255
Ala	Ala	Gly	Thr	Thr	Pro	Gly	Pro	Asp	Pro	Lys	Ala	Tyr	Gln	Leu	Leu	260	265	270
Ser	Ala	Arg	Ser	Ala	Cys	Leu	Leu	Gly	Leu	Leu	Ala	Ala	Thr	Asn	Ala	275	280	285
Leu	Thr	Asn	Gly	Val	Leu	Pro	Ala	Val	Gln	Ser	Phe	Ser	Cys	Leu	Pro	290	295	300
Tyr	Gly	Arg	Leu	Ala	Tyr	His	Leu	Ala	Val	Val	Leu	Gly	Ser	Ala	Ala	305	310	315
Asn	Pro	Leu	Ala	Cys	Phe	Leu	Ala	Met	Gly	Val	Leu	Cys	Arg	Ser	Leu	325	330	335
Ala	Gly	Leu	Gly	Gly	Leu	Ser	Leu	Leu	Gly	Val	Phe	Cys	Gly	Gly	Tyr	340	345	350
Leu	Met	Ala	Leu	Ala	Val	Leu	Ser	Pro	Cys	Pro	Pro	Leu	Val	Gly	Thr	355	360	365
Ser	Ala	Gly	Val	Val	Leu	Val	Val	Leu	Ser	Trp	Val	Leu	Cys	Leu	Gly	370	375	380
Val	Phe	Ser	Tyr	Val	Lys	Val	Ala	Ala	Ser	Ser	Leu	Leu	His	Gly	Gly	385	390	395
Gly	Arg	Pro	Ala	Leu	Leu	Ala	Ala	Gly	Val	Ala	Ile	Gln	Val	Gly	Ser	405	410	415
Leu	Leu	Gly	Ala	Val	Ala	Met	Phe	Pro	Pro	Thr	Ser	Ile	Tyr	His	Val	420	425	430
Phe	His	Ser	Arg	Lys	Asp	Cys	Ala	Asp	Pro	Cys	Asp	Ser				435	440	445

<210> 82
 <211> 264
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (233)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 82
 Met Leu Arg Leu Phe Glu Thr Phe Leu Glu Thr Ala Pro Gln Leu Thr
 1 5 10 15
 Leu Val Leu Ala Ile Met Leu Gln Ser Gly Arg Ala Glu Tyr Tyr Gln
 20 25 30
 Trp Val Gly Ile Cys Thr Ser Phe Leu Gly Ile Ser Trp Ala Leu Leu
 35 40 45
 Asp Tyr His Arg Ala Leu Arg Thr Cys Leu Pro Ser Lys Pro Leu Leu
 50 55 60
 Gly Leu Gly Ser Ser Val Ile Tyr Phe Leu Trp Asn Leu Leu Leu Leu
 65 70 75 80
 Trp Pro Arg Val Leu Ala Val Ala Leu Phe Ser Ala Leu Phe Pro Ser
 85 90 95
 Tyr Val Ala Leu His Phe Leu Gly Leu Trp Leu Val Leu Leu Leu Trp
 100 105 110
 Val Trp Leu Gln Gly Thr Asp Phe Met Pro Asp Pro Ser Ser Glu Trp
 115 120 125
 Leu Tyr Arg Val Thr Val Ala Thr Ile Leu Tyr Phe Ser Trp Phe Asn
 130 135 140
 Val Ala Glu Gly Arg Thr Arg Gly Arg Ala Ile Ile His Phe Ala Phe
 145 150 155 160

Leu	Leu	Ser	Asp	Ser	Ile	Leu	Leu	Val	Ala	Thr	Trp	Val	Thr	His	Ser
				165					170					175	
Ser	Trp	Leu	Pro	Ser	Gly	Ile	Pro	Leu	Gln	Leu	Trp	Leu	Pro	Val	Gly
			180					185					190		
Cys	Gly	Cys	Xaa	Phe	Leu	Gly	Leu	Ala	Leu	Arg	Leu	Val	Tyr	Tyr	His
		195					200					205			
Trp	Leu	His	Pro	Ser	Cys	Cys	Trp	Lys	Pro	Asp	Pro	Asp	Gln	Val	Xaa
	210					215					220				
Gly	Ala	Arg	Ser	Leu	Leu	Ser	Pro	Xaa	Gly	Tyr	Gln	Leu	Pro	Gln	Asn
225					230					235					240
Arg	Arg	Met	Thr	His	Leu	Ala	Gln	Lys	Phe	Phe	Pro	Lys	Ala	Lys	Asp
				245					250					255	
Glu	Ala	Ala	Ser	Pro	Val	Lys	Gly								
			260												

<210> 83
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 83
 Leu Pro Tyr Pro Gly Leu Gly Gly His Arg Gly Cys Pro Leu Glu Phe
 1 5 10 15

Phe Leu Pro Ser Pro Thr Pro Phe Ile Gln Phe Met Lys Gln Ile Phe
 20 25 30
 Ala Lys Ser Ser Leu Cys Ala Arg Asn Ile Ile Leu Ser Leu Gln Pro
 35 40 45
 Gly Thr Arg Pro Ala Thr Ser Leu Ala Ser Ser Xaa Thr Cys Thr Asn
 50 55 60
 Gln Ser Arg Val Arg Ser Gln Met Xaa Glu Xaa Arg Asp Ala Gln Leu
 65 70 75 80
 Trp Xaa Ala Pro Val Arg Thr Ser Gly Ile Ser Val Lys Leu Ala Trp
 85 90 95
 Pro Leu Leu Leu Leu Ser Arg Gly Cys Phe Ser Thr Lys Ser Leu Val
 100 105 110
 Ser Leu Val
 115

<210> 84
 <211> 264
 <212> PRT
 <213> Homo sapiens

<400> 84
 Met Leu Arg Leu Phe Glu Thr Phe Leu Glu Thr Ala Pro Gln Leu Thr
 1 5 10 15
 Leu Val Leu Ala Ile Met Leu Gln Ser Gly Arg Ala Glu Tyr Tyr Gln
 20 25 30
 Trp Val Gly Ile Cys Thr Ser Phe Leu Gly Ile Ser Trp Ala Leu Leu
 35 40 45
 Asp Tyr His Arg Ala Leu Arg Thr Cys Leu Pro Ser Lys Pro Leu Leu
 50 55 60
 Gly Leu Gly Ser Ser Val Ile Tyr Phe Leu Trp Asn Leu Leu Leu Leu
 65 70 75 80
 Trp Pro Arg Val Leu Ala Val Ala Leu Phe Ser Ala Leu Phe Pro Ser
 85 90 95
 Tyr Val Ala Leu His Phe Leu Gly Leu Trp Leu Val Leu Leu Leu Trp
 100 105 110
 Val Trp Leu Gln Gly Thr Asp Phe Met Pro Asp Pro Ser Ser Glu Trp
 115 120 125

Leu Tyr Arg Val Thr Val Ala Thr Ile Leu Tyr Phe Ser Trp Phe Asn
 130 135 140
 Val Ala Glu Gly Arg Thr Arg Gly Arg Ala Ile Ile His Phe Ala Phe
 145 150 155 160
 Leu Leu Ser Asp Ser Ile Leu Leu Val Ala Thr Trp Val Thr His Ser
 165 170 175
 Ser Trp Leu Pro Ser Gly Ile Pro Leu Gln Leu Trp Leu Pro Val Gly
 180 185 190
 Cys Gly Cys Phe Phe Leu Gly Leu Ala Leu Arg Leu Val Tyr Tyr His
 195 200 205
 Trp Leu His Pro Ser Cys Cys Trp Lys Pro Asp Pro Asp Gln Val Asp
 210 215 220
 Gly Ala Arg Ser Leu Leu Ser Pro Glu Gly Tyr Gln Leu Pro Gln Asn
 225 230 235 240
 Arg Arg Met Thr His Leu Ala Gln Lys Phe Phe Pro Lys Ala Lys Asp
 245 250 255
 Glu Ala Ala Ser Pro Val Lys Gly
 260

<210> 85
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 85
 Met Asn Val Phe Leu Ser Leu Pro Leu Gly Ser Ser Leu Pro Pro Leu
 1 5 10 15
 Leu Phe Pro Pro Ser Leu Pro Ser Leu Phe Phe Pro Leu Pro Leu Tyr
 20 25 30
 Leu Ser Phe Ser Ala Pro Ser Pro Ala Thr Thr Pro Gly Phe Ile Ser
 35 40 45
 Leu Pro Gly His Ile Pro Ser Ser Ser
 50 55

<210> 86
 <211> 49

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 86
Cys His Pro Gln Gln Pro Ser Cys Arg Ile Pro Leu Phe Val Leu Phe
1 5 10 15
Ile Ser Gln Thr Ser Gln His Leu Gly Xaa Ile Glu Gly Ala Tyr Val
20 25 30
Glu Ile Leu Gly Ala Gly Ser Pro Asn Thr Ser Glu Thr Ile Pro Asn
35 40 45

Asn

<210> 87
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 87
Lys Glu Pro Thr Leu Lys Tyr Trp Gly Arg Val Pro Pro Ile Leu Leu
1 5 10 15
Lys Leu Phe Gln Thr Ile Glu Lys Glu Gly His Leu Pro Asn Ser Phe
20 25 30
Tyr Glu Ala Ser Ile Ile Leu Ile Leu Lys Pro Gly Arg Asp Thr Ala
35 40 45
Lys Xaa Lys Lys
50

<210> 88
<211> 155
<212> PRT
<213> Homo sapiens

<400> 88

Met	Phe	Phe	Phe	Leu	Phe	Pro	Trp	Val	Leu	Leu	Ser	Leu	Pro	Ser	Ser	
1				5					10					15		
Ser	Leu	Pro	Leu	Ser	Leu	Leu	Tyr	Ser	Ser	Leu	Ser	Leu	Ser	Ile	Cys	
			20					25						30		
Pro	Ser	Leu	Leu	Gln	Val	Leu	Pro	Gln	Pro	Gln	Asp	Ser	Ser	Ala	Ser	
		35					40					45				
Leu	Asp	Thr	Ser	His	Pro	Ala	Pro	Asp	Arg	Ser	Pro	Pro	Ser	Leu	Leu	
	50					55					60					
Ile	Leu	Arg	Ala	Leu	Ser	Ser	Ile	Cys	Leu	Ser	Pro	Cys	Gln	Arg	Pro	
65					70					75					80	
Cys	Cys	Ala	Pro	Gly	Gly	Ala	Thr	His	Leu	Pro	Gly	Asn	Ser	Thr	Phe	
				85					90					95		
Ser	His	Ala	Pro	Asp	Cys	Ser	Leu	His	Ser	Ser	Arg	Leu	Ala	Gln	Ser	
			100					105					110			
Pro	Val	Thr	His	Cys	Ser	Ser	Gly	Ser	Leu	Gly	Leu	Ser	Ala	His	Gly	
		115					120					125				
His	Leu	His	Ala	His	Pro	Ser	Ile	Ser	Val	Ser	Pro	His	Leu	Ser	Leu	
	130					135					140					
Ser	Ile	Ser	Asn	Pro	Cys	Ser	Ser	Thr	Lys	His						
145					150					155						

<210> 89

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 89

Val	Trp	Arg	Arg	Cys	Val	Ser	Trp	Arg	Ser	Ile	Arg	Ala	Gln	Val	Thr	
1				5					10					15		
Phe	Pro	Glu	Asp	Phe	Leu	Ser	Leu	Ser	Ser	Ser	Val	Gln	Phe	Gln	Val	
			20					25					30			
Ile	His	Val	Leu	Leu	Asp	Pro	Gly	Xaa	Thr	Gly	Ile	Ser	Thr	Asp	Leu	

	35		40		45										
Leu	Ala	Ser	Phe	Gly	Leu	Glu	Tyr	His	Ser	Trp	Leu	Gly	Ala	Glu	Ala
	50					55					60				
Ala	Gly	Leu	Ile	Val	Ile	Tyr	His	Lys	Val	Ala	Arg	Lys	Leu	Pro	Arg
65					70					75					80
Gly	Val	Arg	Lys	Ala	Ala	Gly	Gly	Gly	Arg	Val					
				85					90						

<210> 90
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 90
 Asp Leu His Ile Lys Leu Leu Glu His Tyr Cys Leu Thr Ser Cys Lys
 1 5 10 15
 Lys Val Leu Gln Leu
 20

<210> 91
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 91
 Pro Gln Ser Pro Gln Arg Gly Cys Tyr Ser Met Leu Xaa Val Leu Ser
 1 5 10 15
 Val Ser His Pro Gln Pro Asn Lys Trp Arg Cys Val Val Pro Arg Gly
 20 25 30
 Pro Phe Ser His Cys Leu Ala Ser Arg Arg Gly Val Leu Gln Gly Tyr
 35 40 45
 Ser Phe Val Cys Thr Cys Arg Leu Val Gly Pro Glu Phe Phe Ser His
 50 55 60
 Val Gln Glu
 65

<210> 92
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 92
 Asp Leu His Ile Lys Leu Leu Glu His Tyr Cys Leu Thr Ser Cys Lys
 1 5 10 15
 Lys Val Leu Gln Leu
 20

<210> 93
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 93
 Asp Gly Ala Pro Gly Pro Arg Val Gly His Gly His Pro Gly Trp Leu
 1 5 10 15
 Gly Arg Arg Arg Gln Ala Leu His Val Leu Gln Leu Gly Met Trp Val
 20 25 30
 Arg Glu Gly Ile Trp Phe Cys Tyr Leu Ala Val Val Phe Ser His Pro
 35 40 45
 Ser Phe Leu Thr Ile Lys Ser His Leu Gly Leu Glu Lys Lys Lys Lys
 50 55 60
 Lys Thr Arg
 65

<210> 94
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 94
 Met Leu Ser Ser Ile Leu Ser Gln Leu Met Val Ser Lys Pro Trp Gly
 1 5 10 15
 Val Phe Ile Ser Phe Ser Phe Ile Ser Leu Ser Phe Tyr His Ala Ile
 20 25 30

Ser Ile Ser Ser Val Pro Ser Gly Arg Gln Val Val
 35 40

<210> 95
 <211> 150
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 95
 Cys Pro Pro Pro Pro Lys Arg Gly Gly Ile Glu Xaa Glu Leu Gly Lys
 1 5 10 15

Leu Trp Pro Thr Phe Glu Thr Phe Arg Ala Asn Arg Arg Thr Met Leu
 20 25 30

Leu Glu Pro Leu Gly Xaa Pro Gly Gly Gly Xaa Arg Pro Phe Trp Lys
 35 40 45

Arg Ala Arg Gly Val Thr Ser Glu Ala Ile Val Thr Gly Arg Cys Asn
 50 55 60

His Cys Pro Asp Cys Gly Lys Ala Trp Arg Glu Gln Gly Glu Ser Thr
 65 70 75 80

Pro Ser Thr Cys Pro Phe Asp Pro Leu Thr Cys Trp Trp Leu Ala Leu
 85 90 95

Ala Lys Pro Glu Thr Gly Gly Gln Glu Pro Leu Ser Val Ala Ala Tyr
 100 105 110

Gly Gly Gln Pro Ser Glu Val Lys Ala Gly Gln Lys Val Glu Lys Gly
 115 120 125

Leu Gly Gly Thr His Gly Glu Gln Ser Thr Lys Phe Thr Pro Phe Val
 130 135 140

Xaa Trp His Trp Lys Ile
 145 150

<210> 96
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 96
 Met Val Ser Lys Pro Trp Gly Val Phe Ile Ser Phe Ser Phe Ile Ser
 1 5 10 15

Leu Ser Phe Tyr His Ala Ile Ser Ile Ser Ser Val Pro Ser Gly Arg
 20 25 30

Gln Val Val
 35

<210> 97
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 97
 Met Lys Ser Leu His Gly Arg Leu Leu Trp Gln Ser Ala
 1 5 10

<210> 98
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 98
 Met Lys Ser Leu His Gly Arg Leu Leu Trp Gln Ser Ala
 1 5 10

<210> 99
 <211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (260)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 99

Met Pro Trp Pro Leu Leu Leu Leu Leu Ala Val Ser Gly Ala Gln Thr
1 5 10 15

Thr Arg Pro Cys Phe Pro Gly Cys Gln Cys Glu Val Glu Thr Phe Gly
20 25 30

Leu Phe Asp Ser Phe Ser Leu Thr Arg Val Asp Cys Ser Gly Leu Gly
35 40 45

Pro His Ile Met Pro Val Pro Ile Pro Leu Asp Thr Ala His Leu Asp
50 55 60

Leu Ser Ser Asn Arg Leu Glu Met Val Asn Glu Ser Val Leu Ala Gly
65 70 75 80

Pro Gly Tyr Thr Thr Leu Ala Gly Leu Asp Leu Ser His Asn Leu Leu
85 90 95

Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser
100 105 110

Leu Asp Leu Ser His Asn Gly Leu Thr Ala Leu Pro Ala Glu Ser Phe
115 120 125

Thr Ser Ser Pro Leu Ser Asp Val Asn Leu Ser His Asn Gln Leu Arg
130 135 140

Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu
145 150 155 160

His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Val Pro His Pro
165 170 175

Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala
180 185 190

Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg
195 200 205

Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Val Ile Gly Pro Gly Ala
210 215 220

Phe Ala Gly Leu Gly Gly Leu Thr His Leu Ser Leu Ala Ser Leu Gln

225		230		235		240									
Arg	Leu	Pro	Glu	Leu	Ala	Pro	Ser	Gly	Phe	Arg	Glu	Leu	Pro	Gly	Leu
			245						250					255	
Gln	Val	Leu	Xaa	Leu	Ser	Gly	Asn	Pro	Lys	Leu	Asn	Trp	Ala	Gly	Ala
		260					265						270		
Glu	Val	Phe	Ser	Gly	Leu	Ser	Ser	Leu	Gln	Glu	Leu	Asp	Leu	Ser	Gly
		275					280					285			
Thr	Asn	Leu	Val	Pro	Leu	Pro	Glu	Ala	Leu	Leu	Leu	His	Leu	Pro	Ala
	290					295						300			
Leu	Gln	Ser	Val	Ser	Val	Gly	Gln	Asp	Val	Arg	Cys	Arg	Arg	Leu	Val
305					310					315					320
Arg	Glu	Gly	Thr	Tyr	Pro	Arg	Arg	Pro	Gly	Ser	Ser	Pro	Lys	Val	Ala
				325					330					335	
Leu	His	Cys	Val	Asp	Thr	Arg	Glu	Ser	Ala	Ala	Arg	Gly	Pro	Thr	Ile
			340					345					350		

Leu

<210> 100
 <211> 353
 <212> PRT
 <213> Homo sapiens

<400> 100

Met	Pro	Trp	Pro	Leu	Leu	Leu	Leu	Leu	Ala	Val	Ser	Gly	Ala	Gln	Thr
1				5					10					15	
Thr	Arg	Pro	Cys	Phe	Pro	Gly	Cys	Gln	Cys	Glu	Val	Glu	Thr	Phe	Gly
			20					25					30		
Leu	Phe	Asp	Ser	Phe	Ser	Leu	Thr	Arg	Val	Asp	Cys	Ser	Gly	Leu	Gly
		35					40					45			
Pro	His	Ile	Met	Pro	Val	Pro	Ile	Pro	Leu	Asp	Thr	Ala	His	Leu	Asp
	50					55					60				
Leu	Ser	Ser	Asn	Arg	Leu	Glu	Met	Val	Asn	Glu	Ser	Val	Leu	Ala	Gly
65					70					75					80
Pro	Gly	Tyr	Thr	Thr	Leu	Ala	Gly	Leu	Asp	Leu	Ser	His	Asn	Leu	Leu
				85					90					95	

Thr Ser Ile Ser Pro Thr Ala Phe Ser Arg Leu Arg Tyr Leu Glu Ser
 100 105 110
 Leu Asp Leu Ser His Asn Gly Leu Thr Ala Leu Pro Ala Glu Ser Phe
 115 120 125
 Thr Ser Ser Pro Leu Ser Asp Val Asn Leu Ser His Asn Gln Leu Arg
 130 135 140
 Glu Val Ser Val Ser Ala Phe Thr Thr His Ser Gln Gly Arg Ala Leu
 145 150 155 160
 His Val Asp Leu Ser His Asn Leu Ile His Arg Leu Val Pro His Pro
 165 170 175
 Thr Arg Ala Gly Leu Pro Ala Pro Thr Ile Gln Ser Leu Asn Leu Ala
 180 185 190
 Trp Asn Arg Leu His Ala Val Pro Asn Leu Arg Asp Leu Pro Leu Arg
 195 200 205
 Tyr Leu Ser Leu Asp Gly Asn Pro Leu Ala Val Ile Gly Pro Gly Ala
 210 215 220
 Phe Ala Gly Leu Gly Gly Leu Thr His Leu Ser Leu Ala Ser Leu Gln
 225 230 235 240
 Arg Leu Pro Glu Leu Ala Pro Ser Gly Phe Arg Glu Leu Pro Gly Leu
 245 250 255
 Gln Val Leu Asp Leu Ser Gly Asn Pro Lys Leu Asn Trp Ala Gly Ala
 260 265 270
 Glu Val Phe Ser Gly Leu Ser Ser Leu Gln Glu Leu Asp Leu Ser Gly
 275 280 285
 Thr Asn Leu Val Pro Leu Pro Glu Ala Leu Leu Leu His Leu Pro Ala
 290 295 300
 Leu Gln Ser Val Ser Val Gly Gln Asp Val Arg Cys Arg Arg Leu Val
 305 310 315 320
 Arg Glu Gly Thr Tyr Pro Arg Arg Pro Gly Ser Ser Pro Lys Val Ala
 325 330 335
 Leu His Cys Val Asp Thr Arg Glu Ser Ala Ala Arg Gly Pro Thr Ile
 340 345 350
 Leu

<210> 101
 <211> 285
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (262)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (280)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 101
 Met Gly Phe Leu Gln Leu Leu Val Val Ala Val Leu Ala Ser Glu His
 1 5 10 15
 Arg Val Ala Gly Ala Ala Glu Val Phe Gly Asn Ser Ser Glu Gly Leu
 20 25 30
 Ile Glu Phe Ser Val Gly Lys Phe Arg Tyr Phe Glu Leu Asn Arg Pro
 35 40 45
 Phe Pro Glu Glu Ala Ile Leu His Asp Ile Ser Ser Asn Val Thr Phe
 50 55 60
 Leu Ile Phe Gln Ile His Ser Gln Tyr Gln Asn Thr Thr Val Ser Phe
 65 70 75 80
 Ser Pro Thr Leu Leu Ser Asn Ser Ser Glu Thr Gly Thr Ala Ser Gly
 85 90 95
 Leu Val Phe Ile Leu Arg Pro Glu Gln Ser Thr Cys Thr Trp Tyr Leu
 100 105 110
 Gly Thr Ser Gly Ile Gln Pro Val Gln Asn Met Ala Ile Leu Leu Ser
 115 120 125
 Tyr Ser Glu Arg Asp Pro Val Pro Gly Gly Cys Asn Leu Glu Phe Asp
 130 135 140
 Leu Asp Ile Asp Pro Asn Ile Tyr Leu Glu Tyr Asn Phe Phe Glu Thr
 145 150 155 160

Thr	Ile	Lys	Phe	Ala	Pro	Ala	Asn	Leu	Gly	Tyr	Ala	Arg	Gly	Val	Asp	
				165					170					175		
Pro	Pro	Pro	Cys	Asp	Ala	Gly	Thr	Asp	Gln	Asp	Ser	Arg	Trp	Arg	Leu	
			180					185					190			
Gln	Tyr	Asp	Val	Tyr	Gln	Tyr	Phe	Leu	Pro	Glu	Asn	Asp	Leu	Thr	Glu	
		195					200					205				
Glu	Met	Leu	Leu	Lys	His	Leu	Gln	Arg	Met	Val	Ser	Val	Pro	Gln	Val	
	210					215					220					
Lys	Ala	Ser	Ala	Leu	Lys	Val	Val	Thr	Leu	Thr	Ala	Asn	Asp	Lys	Thr	
225					230					235					240	
Ser	Val	Ser	Phe	Ser	Ser	Leu	Pro	Gly	Gln	Gly	Val	Ile	Tyr	Asn	Val	
				245					250					255		
Ile	Val	Xaa	Gly	Pro	Xaa	Ser	Lys	Tyr	Ile	Cys	Cys	Leu	His	Ser	Cys	
			260					265					270			
Ser	His	Ile	Arg	Leu	Gln	Leu	Xaa	Arg	Ala	Gly	Arg	Gly				
		275					280					285				

<210> 102

<211> 417

<212> PRT

<213> Homo sapiens

<400> 102

Leu	Phe	Leu	Phe	Ser	Lys	Tyr	Thr	His	Ser	Ile	Arg	Ile	Gln	Leu	Phe	
1				5					10					15		
Pro	Phe	Leu	Arg	Gly	Val	Asp	Pro	Pro	Pro	Cys	Asp	Ala	Gly	Thr	Asp	
			20					25					30			
Gln	Asp	Ser	Arg	Trp	Arg	Leu	Gln	Tyr	Asp	Val	Tyr	Gln	Tyr	Phe	Leu	
		35					40					45				
Pro	Glu	Asn	Asp	Leu	Thr	Glu	Glu	Met	Leu	Leu	Lys	His	Leu	Gln	Arg	
	50					55					60					
Met	Val	Ser	Val	Pro	Gln	Val	Lys	Ala	Ser	Ala	Leu	Lys	Val	Val	Thr	
	65				70					75					80	
Leu	Thr	Ala	Asn	Asp	Lys	Thr	Ser	Val	Ser	Phe	Ser	Ser	Leu	Pro	Gly	
				85					90					95		
Gln	Gly	Val	Ile	Tyr	Asn	Val	Ile	Val	Trp	Asp	Pro	Phe	Leu	Asn	Thr	
		100						105					110			

Ser	Ala	Ala	Tyr	Ile	Pro	Ala	His	Thr	Tyr	Ala	Cys	Ser	Phe	Glu	Ala			
		115					120					125						
Gly	Glu	Gly	Ser	Cys	Ala	Ser	Leu	Gly	Arg	Val	Ser	Ser	Lys	Val	Phe			
	130					135					140							
Phe	Thr	Leu	Phe	Ala	Leu	Leu	Gly	Phe	Phe	Ile	Cys	Phe	Phe	Gly	His			
145					150					155					160			
Arg	Phe	Trp	Lys	Thr	Glu	Leu	Phe	Phe	Ile	Gly	Phe	Ile	Ile	Met	Gly			
				165					170					175				
Phe	Phe	Phe	Tyr	Ile	Leu	Ile	Thr	Arg	Leu	Thr	Pro	Ile	Lys	Tyr	Asp			
			180					185					190					
Val	Asn	Leu	Ile	Leu	Thr	Ala	Val	Thr	Gly	Ser	Val	Gly	Gly	Met	Phe			
		195					200					205						
Leu	Val	Ala	Val	Trp	Trp	Arg	Phe	Gly	Ile	Leu	Ser	Ile	Cys	Met	Leu			
	210					215					220							
Cys	Val	Gly	Leu	Val	Leu	Gly	Phe	Leu	Ile	Ser	Ser	Val	Thr	Phe	Phe			
225					230					235					240			
Thr	Pro	Leu	Gly	Asn	Leu	Lys	Ile	Phe	His	Asp	Asp	Gly	Val	Phe	Trp			
				245					250					255				
Val	Thr	Phe	Ser	Cys	Ile	Ala	Ile	Leu	Ile	Pro	Val	Val	Phe	Met	Gly			
			260					265					270					
Cys	Leu	Arg	Ile	Leu	Asn	Ile	Leu	Thr	Cys	Gly	Val	Ile	Gly	Ser	Tyr			
		275					280					285						
Ser	Val	Val	Leu	Ala	Ile	Asp	Ser	Tyr	Trp	Ser	Thr	Ser	Leu	Ser	Tyr			
	290					295					300							
Ile	Thr	Leu	Asn	Val	Leu	Lys	Arg	Ala	Leu	Asn	Lys	Asp	Phe	His	Arg			
305					310					315					320			
Ala	Phe	Thr	Asn	Val	Pro	Phe	Gln	Thr	Asn	Asp	Phe	Ile	Ile	Leu	Ala			
				325					330					335				
Val	Trp	Gly	Met	Leu	Ala	Val	Ser	Gly	Ile	Thr	Leu	Gln	Ile	Arg	Arg			
			340					345					350					
Glu	Arg	Gly	Arg	Pro	Phe	Phe	Pro	Pro	His	Pro	Tyr	Lys	Leu	Trp	Lys			
		355					360					365						
Gln	Glu	Arg	Glu	Arg	Arg	Val	Thr	Asn	Ile	Leu	Asp	Pro	Ser	Tyr	His			
	370					375					380							

Ile Pro Pro Leu Arg Glu Arg Leu Tyr Gly Arg Leu Thr Gln Ile Lys
 385 390 395 400

Gly Leu Phe Gln Lys Glu Gln Pro Ala Gly Glu Arg Thr Pro Leu Leu
 405 410 415

Leu

<210> 103

<211> 363

<212> PRT

<213> Homo sapiens

<400> 103

Met Gly Phe Leu Gln Leu Leu Val Val Ala Val Leu Ala Ser Glu His
 1 5 10 15

Arg Val Ala Gly Ala Ala Glu Val Phe Gly Asn Ser Ser Glu Gly Leu
 20 25 30

Ile Glu Phe Ser Val Gly Lys Phe Arg Tyr Phe Glu Leu Asn Arg Pro
 35 40 45

Phe Pro Glu Glu Ala Ile Leu His Asp Ile Ser Ser Asn Val Thr Phe
 50 55 60

Leu Ile Phe Gln Ile His Ser Gln Tyr Gln Asn Thr Thr Val Ser Phe
 65 70 75 80

Ser Pro Thr Leu Leu Ser Asn Ser Ser Glu Thr Gly Thr Ala Ser Gly
 85 90 95

Leu Val Phe Ile Leu Arg Pro Glu Gln Ser Thr Cys Thr Trp Tyr Leu
 100 105 110

Gly Thr Ser Gly Ile Gln Pro Val Gln Asn Met Ala Ile Leu Leu Ser
 115 120 125

Tyr Ser Glu Arg Asp Pro Val Pro Gly Gly Cys Asn Leu Glu Phe Asp
 130 135 140

Leu Asp Ile Asp Pro Asn Ile Tyr Leu Glu Tyr Asn Phe Phe Glu Thr
 145 150 155 160

Thr Ile Lys Phe Ala Pro Ala Asn Leu Gly Tyr Ala Arg Gly Val Asp
 165 170 175

Pro Pro Pro Cys Asp Ala Gly Thr Asp Gln Asp Ser Arg Trp Arg Leu
 180 185 190

Gln	Tyr	Asp	Val	Tyr	Gln	Tyr	Phe	Leu	Pro	Glu	Asn	Asp	Leu	Thr	Glu
		195					200					205			
Glu	Met	Leu	Leu	Lys	His	Leu	Gln	Arg	Met	Val	Ser	Val	Pro	Gln	Val
	210					215					220				
Lys	Ala	Ser	Ala	Leu	Lys	Val	Val	Thr	Leu	Thr	Ala	Asn	Asp	Lys	Thr
225					230					235					240
Ser	Val	Ser	Phe	Ser	Ser	Leu	Pro	Gly	Gln	Gly	Val	Ile	Tyr	Asn	Val
				245					250					255	
Ile	Val	Trp	Asp	Leu	Phe	Leu	Asn	Thr	Ser	Ala	Ala	Tyr	Ile	Pro	Ala
			260					265					270		
His	Thr	Tyr	Ala	Cys	Ser	Phe	Glu	Ala	Gly	Glu	Gly	Ser	Cys	Ala	Ser
		275					280					285			
Leu	Gly	Arg	Val	Ser	Ser	Lys	Val	Phe	Phe	Thr	Leu	Phe	Ala	Leu	Leu
	290					295					300				
Gly	Phe	Phe	Ile	Cys	Phe	Phe	Gly	Gln	Arg	Phe	Trp	Lys	Thr	Glu	Leu
305					310					315					320
Phe	Phe	Ile	Gly	Phe	Ile	Ile	Met	Gly	Phe	Phe	Phe	Tyr	Ile	Leu	Ile
				325					330					335	
Thr	Arg	Leu	Thr	Pro	Ile	Lys	Tyr	Asp	Ala	Glu	His	Thr	Asp	Leu	Trp
			340					345					350		
Ser	His	Trp	Leu	Leu	Phe	Gly	Gly	Phe	Ser	His					
		355					360								

<210> 104

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 104
 Met Leu Val Lys Gly Glu Gly Val Arg Leu Val Leu Arg Leu Leu Gly
 1 5 10 15
 Arg Asn Gly Leu His Leu Ala Pro Leu Pro Ala Leu Leu Leu His Phe
 20 25 30
 Leu Met Leu Pro Leu Ser Ala Pro Val Xaa Tyr Ser Leu Pro Ala Gly
 35 40 45
 Xaa Cys Leu Gln Gly Thr Gly Ser Ser Ser Phe Tyr Ser Val Lys Phe
 50 55 60
 Ser Gly Ser Leu Xaa Gly Gly Lys Gly Lys Pro Xaa Asn Trp Pro
 65 70 75

<210> 105
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 105
 Met Leu Val Lys Gly Glu Gly Val Arg Leu Val Leu Arg Leu Leu Gly
 1 5 10 15
 Arg Asn Gly Leu His Leu Ala Pro Leu Pro Ala Leu Leu Leu His Phe
 20 25 30
 Leu Met Leu Pro Leu Ser Ala Pro Val Ala Tyr Ser Leu Pro Ala Gly
 35 40 45
 Ala Cys Leu Gln Gly Thr Gly Ser Ser Ser Leu Leu Leu Cys Gln Val
 50 55 60
 Gln Leu Leu Thr Ala Arg Glu
 65 70

<210> 106
 <211> 31

<212> PRT

<213> Homo sapiens

<400> 106

Met Phe Glu Ala Leu Trp Ala Thr Asp Tyr Leu Cys Cys Leu Phe Leu
1 5 10 15

Phe Val Ser Phe Phe Arg Pro Leu Gln Lys Cys Lys Asn His Ser
20 25 30

<210> 107

<211> 26

<212> PRT

<213> Homo sapiens

<400> 107

Glu Ile Met Thr Arg Thr Asp Trp Val Lys Met Trp Phe Val Phe Leu
1 5 10 15

Leu Gln Leu Ala Pro Ala Cys Pro Pro Arg
20 25

<210> 108

<211> 31

<212> PRT

<213> Homo sapiens

<400> 108

Met Phe Glu Ala Leu Trp Ala Thr Asp Tyr Leu Cys Cys Leu Phe Leu
1 5 10 15

Phe Val Ser Phe Phe Arg Pro Leu Gln Lys Cys Lys Asn His Ser
20 25 30

<210> 109

<211> 118

<212> PRT

<213> Homo sapiens

<400> 109

Met Glu Phe Val Ser Gly Gly Lys Thr Glu Ile Leu Met Leu Phe Thr
1 5 10 15

Leu Leu Val Ser Cys Tyr Val Phe Leu Pro Leu Ala Leu Pro Cys Phe
20 25 30

Ala Phe Phe Phe Ser Phe Trp Pro Ile Pro Phe Tyr Met Cys Pro Gln
35 40 45

Gln Arg Trp Gly Asp Thr Glu His Pro Gly Ser Phe Pro Ala Leu Leu
50 55 60

Gly Arg Pro Arg Leu Gln Ala Pro Ala Val Glu Thr Leu Lys Gly Asn
65 70 75 80

Lys Gln Pro Ser Thr Leu Pro Asp Pro Arg Leu Phe Arg Glu Ala Ala
85 90 95

His Phe His Pro Gly Pro Arg Thr Pro Ser Leu Cys Pro Thr Arg Ile
100 105 110

Ser Leu Asn Gly Arg Asp
115

<210> 110
<211> 157
<212> PRT
<213> Homo sapiens

<400> 110
Ser Cys Leu Pro Pro Leu Pro Leu Asn Leu Pro Leu Pro Pro Cys Leu
1 5 10 15

Cys Pro Leu Leu Gln Leu Asn Ala Ala Met Thr Arg Lys Glu Lys Thr
20 25 30

Lys Glu Gly Gln Arg Ala Ala Gln Phe Ser Ala Gly Ala Asp Ala Gly
35 40 45

Ser Gly Gly Gly Leu Ser Arg Gln Lys Asp Thr Lys Arg Pro Met Leu
50 55 60

Leu Val Ile His Asp Val Val Leu Glu Leu Leu Thr Ser Ser Asp Cys
65 70 75 80

His Ala Asn Pro Arg Lys Tyr Pro Thr Cys Gln Lys Ser Glu Val Leu
85 90 95

Gly Val Ser Ile Tyr Val Ser Ile Cys Pro Ser Thr Arg Pro Arg Asp
100 105 110

Lys Asn Lys Thr Lys Lys Arg Cys Gln Val Leu Glu Ala Val Leu Val
115 120 125

Ser Lys Pro Ser Gly Ser Cys His Gln Gly Ser Phe Glu Ile Val Pro
130 135 140

His Val Lys Gly Asn Leu Ala Phe Thr Ser Ser Asn His
 145 150 155

<210> 111
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 111
 Met Glu Phe Val Ser Gly Gly Lys Thr Glu Ile Leu Met Leu Phe Thr
 1 5 10 15
 Leu Leu Val Ser Cys Tyr Val Phe Leu Pro Leu Ala Leu Pro Cys Phe
 20 25 30
 Ala Phe Phe Phe Ser Phe Trp Pro Ile Pro Phe Tyr Met Cys Pro Gln
 35 40 45
 Gln Arg Trp Gly Asp Thr Glu His Pro Gly Ser Phe Pro Ala Leu Leu
 50 55 60
 Gly Arg Pro Arg Leu Gln Ala Pro Ala Val Glu Thr Leu Lys Gly Asn
 65 70 75 80
 Lys Gln Pro Ser Thr Leu Pro Asp Pro Arg Leu Phe Arg Glu Ala Ala
 85 90 95
 His Phe His Pro Gly Pro Arg Thr Pro Ser Leu Cys Pro Thr Arg Ile
 100 105 110
 Ser Leu Asn Gly Arg Asp
 115

<210> 112
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 112
 Leu Ala Leu His Arg Cys Ser Leu Ser Cys Leu Gln Val Ser Val Cys
 1 5 10 15
 Gly Val Gly Tyr Gly Glu Glu Asn Leu His Gly Gly Pro Pro Gly Leu
 20 25 30
 Val Val Gln Ala Val Pro Arg His Ile Leu Ile Pro Ser Met Gly His
 35 40 45

Leu Lys Met Asn Asn Asn Ser Gln Asn Phe Cys Glu Ile Lys Ser Ser
 50 55 60

Phe Lys Arg Ser His Leu Ser Lys Arg Phe
 65 70.

<210> 113

<211> 199

<212> PRT

<213> Homo sapiens

<400> 113

Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
 1 5 10 15

Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
 20 25 30

Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
 35 40 45

Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
 50 55 60

Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
 65 70 75 80

Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
 85 90 95

Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
 100 105 110

Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
 115 120 125

His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
 130 135 140

Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
 145 150 155 160

Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
 165 170 175

Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
 180 185 190

Arg Leu Thr Asp Val Thr Leu

195

<210> 114

<211> 199

<212> PRT

<213> Homo sapiens

<400> 114

Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
1 5 10 15

Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
20 25 30

Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
35 40 45

Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
50 55 60

Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
65 70 75 80

Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
85 90 95

Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
100 105 110

Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
115 120 125

His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
130 135 140

Ile Gly Cys Ala Ala Phe Val Val Val Cys Ile Leu Gly Cys Ile Leu
145 150 155 160

Ile Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro
165 170 175

Asn Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser
180 185 190

Arg Leu Thr Asp Val Thr Leu
195

<210> 115

<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 115
Met Val Leu Arg Gly Trp Gly Leu Ala Trp Ser Xaa Ser Pro Val Val
1 5 10 15
Cys Gly Tyr Ser Gly Asp Met Lys Gly Val Cys Trp Gly Arg Ser Asp
20 25 30
His Ser Leu Leu Pro Ser Glu Ile Leu Leu Pro Pro Ala Pro Cys Pro
35 40 45
Xaa Ser Xaa Val Leu His Asn Pro Pro Pro Thr Pro His Leu Pro Ser
50 55 60
Pro Val Leu Val Arg Ile Gln Glu Ala Pro Thr Trp Ala Gln Arg Ser
65 70 75 80
Ser Leu Gly Ala Ser Pro Leu His Lys Gly Asp
85 90

<210> 116
<211> 6
<212> PRT
<213> Homo sapiens

<400> 116
Trp Ala Leu Pro Met Ser
1 5

<210> 117

<211> 14
<212> PRT
<213> Homo sapiens

<400> 117
Gly Cys Ser Leu Tyr Asn Ser Phe Asn Asn Leu Leu Cys Leu
1 5 10

<210> 118
<211> 4
<212> PRT
<213> Homo sapiens

<400> 118
Leu Arg Glu Leu
1

<210> 119
<211> 91
<212> PRT
<213> Homo sapiens

<400> 119
Met Val Leu Arg Gly Trp Gly Leu Ala Trp Ser Leu Ser Pro Val Val
1 5 10 15

Cys Gly Tyr Ser Gly Asp Met Lys Gly Val Cys Trp Gly Arg Ser Asp
20 25 30

His Ser Leu Leu Pro Ser Glu Ile Leu Leu Pro Pro Ala Pro Cys Pro
35 40 45

Ser Ser Ala Val Leu His Asn Pro Pro Pro Thr Pro His Leu Pro Ser
50 55 60

Pro Val Leu Val Arg Ile Gln Glu Ala Pro Thr Trp Ala Gln Arg Ser
65 70 75 80

Ser Leu Gly Ala Ser Pro Leu His Lys Gly Asp
85 90

<210> 120
<211> 75
<212> PRT
<213> Homo sapiens

<400> 120

Glu Asp Met Pro Arg Arg Lys Glu Glu Leu Thr Asp Tyr Gln Lys Lys
1 5 10 15

Lys Val Ile Leu Gln Asn Leu Lys His Ser Leu Phe Leu Ser Leu Leu
20 25 30

Ser His Tyr Phe Tyr Ser Asn Pro Leu Glu Tyr Leu His Phe Ala Ser
35 40 45

Glu Gln Arg Asp Lys Phe Phe Ser His His Val Cys Thr Gly Val Val
50 55 60

Leu Ile Leu Asp Ile Ala Gly Thr Asn Phe Ser
65 70 75

<210> 121

<211> 56

<212> PRT

<213> Homo sapiens

<400> 121

Met Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu
1 5 10 15

Lys Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala
20 25 30

Arg Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu
35 40 45

Ser Arg Tyr Gly Arg Met Ser Ser
50 55

<210> 122

<211> 56

<212> PRT

<213> Homo sapiens

<400> 122

Met Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu
1 5 10 15

Lys Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala
20 25 30

Arg Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu
35 40 45

Ser Arg Tyr Gly Arg Met Ser Ser
50 55

<210> 123
<211> 59
<212> PRT
<213> Homo sapiens

<400> 123
Met Gly Asn Gln Asp Glu Asn Gln Gly Leu Ser Val Ile Arg Leu Leu
1 5 10 15
Leu Ile Ile Thr Ile Arg Arg Val Gln Met Trp Asp Lys Ile Leu Thr
20 25 30
Pro Ala Phe Ser Gln Met Val Asn Leu Pro Val Ala Leu Glu Leu His
35 40 45
Ile Val Leu Phe Val Cys Phe Thr Glu Ser Val
50 55

<210> 124
<211> 114
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 124

Gln Arg Ala Met Ala Cys Xaa Phe Gly Ile Leu Leu Ile Val Ser Ala
 1 5 10 15
 Thr Leu Cys Phe Gly Xaa Leu Xaa Gly Phe Leu Met Thr Leu Pro Gln
 20 25 30
 Lys Arg Lys Ser Phe Gln Ser Lys Ser Phe Val Arg Leu Lys Asp Val
 35 40 45
 Thr Ala Tyr Met Trp Glu Lys Val Leu Thr Phe Leu Arg Leu Glu Thr
 50 55 60
 Pro Lys Leu Glu Glu Ala Glu Met Val Glu Asn His Asn Tyr Tyr Leu
 65 70 75 80
 Asp Glu Phe Ala Asn Leu Leu Asp Glu Leu Leu Met Lys Ile Asn Gly
 85 90 95
 Leu Ser Asp Ser Leu Gln Leu Pro Leu Leu Glu Lys Thr Ser Xaa Asn
 100 105 110
 Thr Gly

<210> 125

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 125

Met Asp Ile Leu Met Leu Leu Leu Leu Cys Val Ile Tyr Gly Arg
 1 5 10 15

Phe Ser Gln Asp Glu Tyr Ser Leu Asn Gln Ala Ile Arg Lys Glu Phe
 20 25 30

Thr Arg Asn Ala Arg Asn Cys Leu Gly Gly Leu Arg Asn Ile Ala Asp
 35 40 45

Trp Trp Asp Trp Ser Leu Thr Thr Leu Leu Asp Gly Leu Tyr Pro Gly

50		55		60											
Gly	Thr	Pro	Ser	Ala	Arg	Val	Pro	Gly	Ala	Ser	Ala	Trp	Ser	Ser	Trp
65					70					75					80

Xaa Lys Met Xaa Thr
85

<210> 126
<211> 561
<212> PRT
<213> Homo sapiens

<400> 126
Met Asp Ile Leu Met Leu Leu Leu Leu Leu Cys Val Ile Tyr Gly Arg
1 5 10 15

Phe Ser Gln Asp Glu Tyr Ser Leu Asn Gln Ala Ile Arg Lys Glu Phe
20 25 30

Thr Arg Asn Ala Arg Asn Cys Leu Gly Gly Leu Arg Asn Ile Ala Asp
35 40 45

Trp Trp Asp Trp Ser Leu Thr Thr Leu Leu Asp Gly Leu Tyr Pro Gly
50 55 60

Gly Thr Pro Ser Ala Arg Val Pro Gly Ala Gln Pro Gly Ala Leu Gly
65 70 75 80

Gly Lys Cys Tyr Leu Ile Gly Ser Ser Val Ile Arg Gln Leu Lys Val
85 90 95

Phe Pro Arg His Leu Cys Lys Pro Pro Arg Pro Phe Ser Ala Leu Ile
100 105 110

Glu Asp Ser Ile Pro Thr Cys Ser Pro Glu Val Gly Gly Pro Glu Asn
115 120 125

Pro Tyr Leu Ile Asp Pro Glu Asn Gln Asn Val Thr Leu Asn Gly Pro
130 135 140

Gly Gly Cys Gly Thr Arg Glu Asp Cys Val Leu Ser Leu Gly Arg Thr
145 150 155 160

Arg Thr Glu Ala His Thr Ala Leu Ser Arg Leu Arg Ala Ser Met Trp
165 170 175

Ile Asp Arg Ser Thr Arg Ala Val Ser Val His Phe Thr Leu Tyr Asn
180 185 190

Pro	Pro	Thr	Gln	Leu	Phe	Thr	Ser	Val	Ser	Leu	Arg	Val	Glu	Ile	Leu
		195					200					205			
Pro	Thr	Gly	Ser	Leu	Val	Pro	Ser	Ser	Leu	Val	Glu	Ser	Phe	Ser	Ile
	210					215					220				
Phe	Arg	Ser	Asp	Ser	Ala	Leu	Gln	Tyr	His	Leu	Met	Leu	Pro	Gln	Leu
225					230					235					240
Val	Phe	Leu	Ala	Leu	Ser	Leu	Ile	His	Leu	Cys	Val	Gln	Leu	Tyr	Arg
				245					250					255	
Met	Met	Asp	Lys	Gly	Val	Leu	Ser	Tyr	Trp	Arg	Lys	Pro	Arg	Asn	Trp
			260					265					270		
Leu	Glu	Leu	Ser	Val	Val	Gly	Val	Ser	Leu	Thr	Tyr	Tyr	Ala	Val	Ser
		275					280					285			
Gly	His	Leu	Val	Thr	Leu	Ala	Gly	Asp	Val	Thr	Asn	Gln	Phe	His	Arg
	290					295					300				
Gly	Leu	Cys	Arg	Ala	Phe	Met	Asp	Leu	Thr	Leu	Met	Ala	Ser	Trp	Asn
305					310					315					320
Gln	Arg	Ala	Arg	Trp	Leu	Arg	Gly	Ile	Leu	Leu	Phe	Leu	Phe	Thr	Leu
				325					330					335	
Lys	Cys	Val	Tyr	Leu	Pro	Gly	Ile	Gln	Asn	Thr	Met	Ala	Ser	Cys	Ser
			340					345					350		
Ser	Met	Met	Arg	His	Ser	Leu	Pro	Ser	Ile	Phe	Val	Ala	Gly	Leu	Val
		355					360					365			
Gly	Ala	Leu	Met	Leu	Ala	Ala	Leu	Ser	His	Leu	His	Arg	Phe	Leu	Leu
	370					375					380				
Ser	Met	Trp	Val	Leu	Pro	Pro	Gly	Thr	Phe	Thr	Asp	Ala	Phe	Pro	Gly
385					390					395					400
Leu	Leu	Phe	His	Phe	Pro	Arg	Arg	Ser	Gln	Lys	Asp	Cys	Leu	Leu	Gly
				405					410					415	
Leu	Ser	Lys	Ser	Asp	Gln	Arg	Ala	Met	Ala	Cys	Tyr	Phe	Gly	Ile	Leu
			420					425					430		
Leu	Ile	Val	Ser	Ala	Thr	Leu	Cys	Phe	Gly	Met	Leu	Arg	Gly	Phe	Leu
		435					440					445			
Met	Thr	Leu	Pro	Gln	Lys	Arg	Lys	Ser	Phe	Gln	Ser	Lys	Ser	Phe	Val
	450					455					460				
Arg	Leu	Lys	Asp	Val	Thr	Ala	Tyr	Met	Trp	Glu	Lys	Val	Leu	Thr	Phe

465		470		475		480
Leu Arg Leu Glu Thr	Pro Lys Leu Glu Glu Ala Glu Met Val Glu Asn					
	485		490		495	
His Asn Tyr Tyr Leu Asp Glu Phe Ala Asn Leu Leu Asp Glu Leu Leu						
	500		505		510	
Met Lys Ile Asn Gly Leu Ser Asp Ser Leu Gln Leu Pro Leu Leu Glu						
	515		520		525	
Lys Thr Ser Asn Asn Thr Gly Glu Ala Arg Thr Glu Glu Ser Pro Leu						
	530		535		540	
Val Asp Ile Ser Ser Tyr Gln Ala Ala Glu Pro Ala Asp Ile Lys Asp						
545		550		555		560
Phe						

<210> 127
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 127														
Xaa His Lys Thr Phe Pro Ser Glu Gly Ser Ser Cys Leu Ser Ser Val														
1			5				10					15		
Thr Leu Xaa Thr Thr Ala Gln Ala Tyr Phe Thr Leu Pro Pro Pro Thr														
			20				25					30		
His His Cys Pro Leu Ser Ala Thr Lys Pro His Tyr Ser Ser Asn Asp														
		35					40					45		

Ala Ser Leu Val Ser Gly Lys Pro Ile Trp Cys Thr Lys Met Leu Cys
 50 55 60

Asn Thr Lys Trp Leu Leu Pro Leu Ile Leu Leu Asn Asn Val Asn Ser
 65 70 75 80

Xaa Arg Ile Asn Phe Met Leu Cys
 85

<210> 128

<211> 56

<212> PRT

<213> Homo sapiens

<400> 128

Met Trp Lys Val Leu Arg Pro Ser Leu Phe Thr Ala Gly Leu Phe Thr
 1 5 10 15

Ala Ser Phe Phe Tyr Ser Asp Leu Lys Val Ser Thr Glu Leu Met Lys
 20 25 30

Leu Gln His Met Val Phe Lys Ser Phe Pro Leu Lys Cys Thr Leu Glu
 35 40 45

Asn Trp Val Pro Gln Pro His Tyr
 50 55

<210> 129

<211> 58

<212> PRT

<213> Homo sapiens

<400> 129

Met Trp Lys Val Leu Arg Pro Ser Leu Phe Thr Ala Gly Leu Phe Thr
 1 5 10 15

Ala Ser Phe Phe Tyr Ser Asp Leu Lys Val Ser Thr Glu Leu Met Lys
 20 25 30

Leu Gln His Met Val Phe Lys Ser Phe Pro Leu Lys Cys Thr Leu Glu
 35 40 45

Asn Trp Val Pro Gln Pro Gln Leu Leu Asn
 50 55

<210> 130

<211> 32
 <212> PRT
 <213> Homo sapiens

<400> 130
 Cys Leu Glu Thr Phe Trp Ser Leu Tyr Leu Gly Gly Trp Gly Met Val
 1 5 10 15
 Gly Cys Val Cys Tyr Trp His Pro Val Asn Arg Ser Gln Gly Cys Arg
 20 25 30

<210> 131
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 131
 Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
 1 5 10 15
 Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
 20 25 30
 Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
 35 40 45
 Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe Gln Val Lys Ala
 50 55 60
 Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val Ser Tyr Asp Trp Leu
 65 70 75 80
 Ile Leu Gln Gly Pro Ala Lys Pro Val Phe Glu Gly Asp Leu Leu Val
 85 90 95
 Leu Arg Cys Gln Ala Trp Gln Asp Trp Pro Leu Thr Gln Val Thr Phe
 100 105 110
 Tyr Arg Asp Gly Ser Ala Leu Gly Pro Pro Gly Pro Asn Arg Glu Phe
 115 120 125
 Ser Ile Thr Val Val Gln Lys Ala Asp Ser Gly His Tyr Xaa Cys Ser

130		135		140	
Gly Ile Phe Gln Ser	Pro Gly Pro Gly Ile	Pro Glu Thr Ala Ser Val			
145	150	155		160	
Val Ala Ile Thr Val	Gln Glu Leu Phe Pro Ala Pro Ile Leu Leu Leu				
	165	170		175	
Gln Gly Trp Lys Asp Ser Ala Lys	Gln Gly Gly Ser Pro Gln Asn Ser				
	180	185		190	
Arg Ser Pro Gln Leu Gln Lys					
	195				

<210> 132
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 132
 Ser Trp
 1

<210> 133
 <211> 359
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
 1 5 10 15
 Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
 20 25 30
 Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
 35 40 45
 Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe Gln Val Lys Ala
 50 55 60
 Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val Ser Tyr Asp Trp Leu
 65 70 75 80
 Ile Leu Gln Gly Pro Ala Lys Pro Val Phe Glu Gly Asp Leu Leu Val
 85 90 95
 Leu Arg Cys Gln Ala Trp Gln Asp Trp Pro Leu Thr Gln Val Thr Phe

				100					105							110			
Tyr	Arg	Asp	Gly	Ser	Ala	Leu	Gly	Pro	Pro	Gly	Pro	Asn	Arg	Glu	Phe				
		115					120					125							
Ser	Ile	Thr	Val	Val	Gln	Lys	Ala	Asp	Ser	Gly	His	Tyr	His	Cys	Ser				
	130					135					140								
Gly	Ile	Phe	Gln	Ser	Pro	Gly	Pro	Gly	Ile	Pro	Glu	Thr	Ala	Ser	Val				
145					150					155					160				
Val	Ala	Ile	Thr	Val	Gln	Glu	Leu	Phe	Pro	Ala	Pro	Ile	Leu	Arg	Ala				
				165					170					175					
Val	Pro	Ser	Ala	Glu	Pro	Gln	Ala	Gly	Gly	Pro	Met	Thr	Leu	Ser	Cys				
			180					185					190						
Gln	Thr	Lys	Leu	Pro	Leu	Gln	Arg	Ser	Ala	Ala	Arg	Leu	Leu	Phe	Ser				
		195					200					205							
Phe	Tyr	Lys	Asp	Gly	Arg	Ile	Val	Gln	Ser	Arg	Gly	Leu	Ser	Ser	Glu				
	210					215					220								
Phe	Gln	Ile	Pro	Thr	Ala	Ser	Glu	Asp	His	Ser	Gly	Ser	Tyr	Trp	Cys				
225					230					235					240				
Glu	Ala	Ala	Thr	Glu	Asp	Asn	Gln	Val	Trp	Lys	Gln	Ser	Pro	Gln	Leu				
				245					250					255					
Glu	Ile	Arg	Val	Gln	Gly	Ala	Ser	Ser	Ser	Ala	Ala	Pro	Pro	Thr	Leu				
			260					265					270						
Asn	Pro	Ala	Pro	Gln	Lys	Ser	Ala	Ala	Pro	Gly	Thr	Ala	Pro	Glu	Glu				
		275					280					285							
Ala	Pro	Gly	Pro	Leu	Pro	Pro	Pro	Pro	Thr	Pro	Ser	Ser	Glu	Asp	Pro				
	290					295					300								
Gly	Phe	Ser	Ser	Pro	Leu	Gly	Met	Pro	Asp	Pro	His	Leu	Tyr	His	Gln				
305					310				315						320				
Met	Gly	Leu	Leu	Leu	Lys	His	Met	Gln	Asp	Val	Arg	Val	Leu	Leu	Gly				
				325					330					335					
His	Leu	Leu	Met	Glu	Leu	Arg	Glu	Leu	Ser	Gly	His	Arg	Lys	Pro	Gly				
			340				345						350						
Thr	Thr	Lys	Ala	Thr	Ala	Glu													
		355																	

<210> 134
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 134
 Met Ser Arg Leu Leu
 1 5

<210> 135
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 135
 Met Ser Arg Leu Leu
 1 5

<210> 136
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 136
 Phe Leu His Val Phe Thr Ser Val Glu Leu Leu Arg Leu Ser Ser Pro
 1 5 10 15
 Pro Leu Pro Lys Pro Lys Tyr Lys Arg Lys Ser Ser Pro Leu Leu Met
 20 25 30
 Ala Glu Arg Ile Leu Ser Val Ser Gly Leu Phe Gly His Arg Leu Asn
 35 40 45
 Lys Gly Leu Leu Ile His Pro Lys Lys Lys Lys Lys Lys Leu Glu
 50 55 60

<210> 137
 <211> 438
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 137

Leu Thr Ile Thr Val His Asp Pro Asn Ala Ala Gln Trp Tyr Tyr Gly
1 5 10 15

Met Ser Trp Gly Leu Arg Leu Tyr Ile Pro Gly Phe Asp Val Gly Thr
20 25 30

Met Phe Thr Ile Gln Lys Lys Ile Leu Xaa Ser Trp Ser Pro Pro Lys
35 40 45

Pro Ile Arg Pro Leu Thr Asp Leu Gly Asp Pro Ile Phe Gln Lys His
50 55 60

Pro Asp Lys Val Asp Leu Thr Val Pro Gln Pro Phe Leu Val Pro Arg
65 70 75 80

Pro Gln Leu Gln Gln Gln His Leu Gln Pro Ser Leu Met Ser Ile Leu
85 90 95

Gly Gly Val His His Leu Leu Asn Leu Thr Gln Pro Lys Leu Ala Gln
100 105 110

Asp Cys Trp Leu Cys Leu Lys Ala Lys Pro Pro Tyr Tyr Val Gly Leu
115 120 125

Gly Val Glu Ala Thr Leu Lys Arg Gly Pro Leu Ser Cys His Thr Arg
130 135 140

Pro Arg Ala Leu Thr Ile Gly Asp Val Ser Gly Asn Ala Ser Cys Leu
145 150 155 160

Ile Ser Thr Gly Tyr Asn Leu Ser Ala Ser Pro Phe Gln Ala Thr Cys
165 170 175

Asn Gln Ser Leu Leu Thr Tyr Ile Ser Thr Ser Val Ser Tyr Gln Ala
180 185 190

Pro Asn Asn Thr Trp Leu Ala Cys Thr Ser Gly Leu Thr Arg Cys Ile
195 200 205

Asn Gly Thr Glu Pro Gly Pro Leu Leu Cys Val Leu Val His Val Leu
210 215 220

Pro Gln Val Tyr Val Tyr Ser Gly Pro Glu Gly Arg Gln Leu Ile Ala
225 230 235 240

Pro Pro Glu Leu His Pro Arg Leu His Gln Ala Val Pro Leu Leu Val
245 250 255

Pro Leu Leu Ala Gly Leu Ser Ile Ala Gly Ser Ala Ala Ile Gly Thr
260 265 270

Ala Ala Leu Val Gln Gly Glu Thr Gly Leu Ile Ser Leu Ser Gln Gln
 275 280 285
 Val Asp Ala Asp Phe Ser Asn Leu Gln Ser Ala Ile Asp Ile Leu His
 290 295 300
 Ser Gln Val Glu Ser Leu Ala Glu Val Val Leu Gln Asn Cys Arg Cys
 305 310 315 320
 Leu Asp Leu Leu Phe Leu Ser Gln Gly Gly Leu Cys Ala Ala Leu Gly
 325 330 335
 Glu Ser Cys Cys Phe Tyr Ala Asn Gln Ser Gly Val Ile Lys Gly Thr
 340 345 350
 Val Lys Lys Val Arg Glu Asn Leu Asp Arg His Gln Gln Glu Arg Glu
 355 360 365
 Asn Asn Ile Pro Trp Tyr Gln Ser Met Phe Asn Trp Asn Pro Trp Leu
 370 375 380
 Thr Thr Leu Ile Thr Gly Leu Ala Gly Pro Leu Leu Ile Leu Leu Leu
 385 390 395 400
 Ser Leu Ile Phe Gly Pro Cys Ile Leu Asn Ser Phe Leu Asn Phe Ile
 405 410 415
 Lys Gln Arg Ile Ala Ser Val Lys Leu Thr Tyr Leu Lys Thr Gln Tyr
 420 425 430
 Asp Thr Leu Val Asn Asn
 435

<210> 138

<211> 438

<212> PRT

<213> Homo sapiens

<400> 138

Leu Thr Ile Thr Val His Asp Pro Asn Ala Ala Gln Trp Tyr Tyr Gly
 1 5 10 15
 Met Ser Trp Gly Leu Arg Leu Tyr Ile Pro Gly Phe Asp Val Gly Thr
 20 25 30
 Met Phe Thr Ile Gln Lys Lys Ile Leu Val Ser Trp Ser Pro Pro Lys
 35 40 45
 Pro Ile Arg Pro Leu Thr Asp Leu Gly Asp Pro Ile Phe Gln Lys His
 50 55 60

Pro	Asp	Lys	Val	Asp	Leu	Thr	Val	Pro	Gln	Pro	Phe	Leu	Val	Pro	Arg	
65					70					75					80	
Pro	Gln	Leu	Gln	Gln	Gln	His	Leu	Gln	Pro	Ser	Leu	Met	Ser	Ile	Leu	
			85					90						95		
Gly	Gly	Val	His	His	Leu	Leu	Asn	Leu	Thr	Gln	Pro	Lys	Leu	Ala	Gln	
			100					105					110			
Asp	Cys	Trp	Leu	Cys	Leu	Lys	Ala	Lys	Pro	Pro	Tyr	Tyr	Val	Gly	Leu	
		115					120					125				
Gly	Val	Glu	Ala	Thr	Leu	Lys	Arg	Gly	Pro	Leu	Ser	Cys	His	Thr	Arg	
	130					135						140				
Pro	Arg	Ala	Leu	Thr	Ile	Gly	Asp	Val	Ser	Gly	Asn	Ala	Ser	Cys	Leu	
145					150					155					160	
Ile	Ser	Thr	Gly	Tyr	Asn	Leu	Ser	Ala	Ser	Pro	Phe	Gln	Ala	Thr	Cys	
				165					170					175		
Asn	Gln	Ser	Leu	Leu	Thr	Tyr	Ile	Ser	Thr	Ser	Val	Ser	Tyr	Gln	Ala	
			180					185					190			
Pro	Asn	Asn	Thr	Trp	Leu	Ala	Cys	Thr	Ser	Gly	Leu	Thr	Arg	Cys	Ile	
		195					200					205				
Asn	Gly	Thr	Glu	Pro	Gly	Pro	Leu	Leu	Cys	Val	Leu	Val	His	Val	Leu	
	210					215					220					
Pro	Gln	Val	Tyr	Val	Tyr	Ser	Gly	Pro	Glu	Gly	Arg	Gln	Leu	Ile	Ala	
225					230					235					240	
Pro	Pro	Glu	Leu	His	Pro	Arg	Leu	His	Gln	Ala	Val	Pro	Leu	Leu	Val	
				245					250					255		
Pro	Leu	Leu	Ala	Gly	Leu	Ser	Ile	Ala	Gly	Ser	Ala	Ala	Ile	Gly	Thr	
			260					265					270			
Ala	Ala	Leu	Val	Gln	Gly	Glu	Thr	Gly	Leu	Ile	Ser	Leu	Ser	Gln	Gln	
		275					280					285				
Val	Asp	Ala	Asp	Phe	Ser	Asn	Leu	Gln	Ser	Ala	Ile	Asp	Ile	Leu	His	
	290					295					300					
Ser	Gln	Val	Glu	Ser	Leu	Ala	Glu	Val	Val	Leu	Gln	Asn	Cys	Arg	Cys	
305					310					315					320	
Leu	Asp	Leu	Leu	Phe	Leu	Ser	Gln	Gly	Gly	Leu	Cys	Ala	Ala	Leu	Gly	
				325					330					335		

Glu Ser Cys Cys Phe Tyr Ala Asn Gln Ser Gly Val Ile Lys Gly Thr
 340 345 350

Val Lys Lys Val Arg Glu Asn Leu Asp Arg His Gln Gln Glu Arg Glu
 355 360 365

Asn Asn Ile Pro Trp Tyr Gln Ser Met Phe Asn Trp Asn Pro Trp Leu
 370 375 380

Thr Thr Leu Ile Thr Gly Leu Ala Gly Pro Leu Leu Ile Leu Leu Leu
 385 390 395 400

Ser Leu Ile Phe Gly Pro Cys Ile Leu Asn Ser Phe Leu Asn Phe Ile
 405 410 415

Lys Gln Arg Ile Ala Ser Val Lys Leu Thr Tyr Leu Lys Thr Gln Tyr
 420 425 430

Asp Thr Leu Val Asn Asn
 435

<210> 139

<211> 62

<212> PRT

<213> Homo sapiens

<400> 139

Met Phe Cys Arg Asn Trp Arg Cys Glu Phe Met Met Leu Ser His Asn
 1 5 10 15

Thr Ala Val Met Ile Cys Ser Phe Ser Gln Asn Asp Phe His Ala Ala
 20 25 30

Leu Cys Cys Ser Ser Val Ser Glu Leu Pro Tyr Leu Phe Leu Val Cys
 35 40 45

Ser Thr Tyr Lys Cys Ser Cys His Ala Val Leu Phe Phe Cys
 50 55 60

<210> 140

<211> 62

<212> PRT

<213> Homo sapiens

<400> 140

Met Phe Cys Arg Asn Trp Arg Cys Glu Phe Met Met Leu Ser His Asn
 1 5 10 15

Thr Ala Val Met Ile Cys Ser Phe Ser Gln Asn Asp Phe His Ala Ala
 20 25 30

Leu Cys Cys Ser Ser Val Ser Glu Leu Pro Tyr Leu Phe Leu Val Cys
 35 40 45

Ser Thr Tyr Lys Cys Ser Cys His Ala Val Leu Phe Phe Cys
 50 55 60

<210> 141

<211> 76

<212> PRT

<213> Homo sapiens

<400> 141

Ile Asn Phe Thr Tyr Lys Arg Leu Ser Leu Asp Phe Ile Tyr Ile Tyr
 1 5 10 15

Met Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Tyr
 20 25 30

Leu Lys Arg Thr Cys Ala Ser Ile Lys Gly Asn Lys Met Arg Glu Tyr
 35 40 45

Ile Ile Asp Phe Val Lys Ser Lys Tyr Leu Asn Tyr Gly Phe Ser Ile
 50 55 60

Phe Lys Asn Ser Cys Ser Phe Cys Thr Tyr Phe Phe
 65 70 75

<210> 142

<211> 42

<212> PRT

<213> Homo sapiens

<400> 142

Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
 1 5 10 15

Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
 20 25 30

Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
 35 40

<210> 143

<211> 42
<212> PRT
<213> Homo sapiens

<400> 143
Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
1 5 10 15
Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
20 25 30
Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
35 40

<210> 144
<211> 23
<212> PRT
<213> Homo sapiens

<400> 144
Ala Trp Ile Gln Cys Thr Leu Leu Leu Tyr Pro Arg Arg Thr Ser Gln
1 5 10 15
Gly Ile His Gln Val Pro Gly
20

<210> 145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 145
Leu Leu Met Arg Gln Pro Trp Val Gly Gln Gly Trp Gly Pro Val Val
1 5 10 15
Glu Glu Thr Cys
20

<210> 146
<211> 322
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (185)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (250)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (312)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 146

Met	Ala	Leu	Pro	Pro	Gly	Pro	Ala	Ala	Leu	Arg	His	Thr	Leu	Leu	Leu
1				5					10					15	

Leu	Pro	Ala	Leu	Leu	Ser	Ser	Gly	Trp	Gly	Glu	Leu	Glu	Pro	Gln	Ile
			20					25						30	

Asp	Gly	Gln	Thr	Trp	Ala	Glu	Arg	Ala	Leu	Arg	Glu	Asn	Glu	Arg	His
		35					40					45			

Ala	Phe	Thr	Cys	Arg	Val	Ala	Gly	Gly	Pro	Gly	Thr	Pro	Arg	Leu	Ala
	50					55					60				

Trp	Tyr	Leu	Asp	Gly	Gln	Leu	Gln	Glu	Ala	Ser	Thr	Ser	Arg	Leu	Leu
65					70					75				80	

Ser	Val	Gly	Gly	Glu	Ala	Phe	Ser	Gly	Gly	Thr	Ser	Thr	Phe	Thr	Val
				85					90					95	

Thr	Ala	His	Arg	Ala	Gln	His	Glu	Leu	Asn	Cys	Ser	Leu	Gln	Asp	Pro
			100					105					110		

Arg	Ser	Gly	Arg	Ser	Ala	Asn	Ala	Ser	Val	Ile	Leu	Asn	Val	Gln	Phe
		115					120					125			

Lys Pro Xaa Ile Ala Gln Val Gly Ala Lys Tyr Gln Glu Ala Gln Gly
 130 135 140
 Pro Gly Leu Leu Val Val Leu Phe Ala Leu Val Arg Ala Asn Pro Pro
 145 150 155 160
 Ala Asn Val Thr Trp Ile Asp Gln Asp Gly Pro Val Thr Val Asn Thr
 165 170 175
 Ser Asp Phe Leu Val Leu Asp Ala Xaa Asn Tyr Pro Trp Leu Thr Asn
 180 185 190
 His Thr Val Gln Leu Gln Leu Arg Ser Leu Ala His Asn Leu Ser Val
 195 200 205
 Val Ala Thr Asn Asp Val Gly Val Thr Xaa Ala Xaa Leu Pro Ala Pro
 210 215 220
 Gly Pro Ser Arg His Pro Ser Leu Ile Ser Ser Asp Ser Asn Asn Leu
 225 230 235 240
 Lys Leu Asn Asn Val Arg Leu Pro Arg Xaa Asn Met Ser Leu Pro Ser
 245 250 255
 Asn Leu Gln Leu Asn Asp Leu Thr Pro Asp Ser Arg Ala Val Lys Pro
 260 265 270
 Ala Asp Arg Gln Met Ala Gln Asn Asn Ser Arg Pro Glu Leu Leu Asp
 275 280 285
 Pro Glu Pro Gly Gly Leu Leu Thr Ser Gln Gly Phe Ile Arg Leu Pro
 290 295 300
 Val Leu Gly Tyr Ile Tyr Arg Xaa Ser Ser Val Ser Ser Asp Glu Ile
 305 310 315 320
 Trp Leu

<210> 147
 <211> 322
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Ala Leu Pro Pro Gly Pro Ala Ala Leu Arg His Thr Leu Leu Leu
 1 5 10 15
 Leu Pro Ala Leu Leu Ser Ser Gly Trp Gly Glu Leu Glu Pro Gln Ile
 20 25 30

Asp	Gly	Gln	Thr	Trp	Ala	Glu	Arg	Ala	Leu	Arg	Glu	Asn	Glu	Arg	His	35	40	45
Ala	Phe	Thr	Cys	Arg	Val	Ala	Gly	Gly	Pro	Gly	Thr	Pro	Arg	Leu	Ala	50	55	60
Trp	Tyr	Leu	Asp	Gly	Gln	Leu	Gln	Glu	Ala	Ser	Thr	Ser	Arg	Leu	Leu	65	70	75
Ser	Val	Gly	Gly	Glu	Ala	Phe	Ser	Gly	Gly	Thr	Ser	Thr	Phe	Thr	Val	85	90	95
Thr	Ala	His	Arg	Ala	Gln	His	Glu	Leu	Asn	Cys	Ser	Leu	Gln	Asp	Pro	100	105	110
Arg	Ser	Gly	Arg	Ser	Ala	Asn	Ala	Ser	Val	Ile	Leu	Asn	Val	Gln	Phe	115	120	125
Lys	Pro	Glu	Ile	Ala	Gln	Val	Gly	Ala	Lys	Tyr	Gln	Glu	Ala	Gln	Gly	130	135	140
Pro	Gly	Leu	Leu	Val	Val	Leu	Phe	Ala	Leu	Val	Arg	Ala	Asn	Pro	Pro	145	150	155
Ala	Asn	Val	Thr	Trp	Ile	Asp	Gln	Asp	Gly	Pro	Val	Thr	Val	Asn	Thr	165	170	175
Ser	Asp	Phe	Leu	Val	Leu	Asp	Ala	Gln	Asn	Tyr	Pro	Trp	Leu	Thr	Asn	180	185	190
His	Thr	Val	Gln	Leu	Gln	Leu	Arg	Ser	Leu	Ala	His	Asn	Leu	Ser	Val	195	200	205
Val	Ala	Thr	Asn	Asp	Val	Gly	Val	Thr	Ser	Ala	Ser	Leu	Pro	Ala	Pro	210	215	220
Gly	Pro	Ser	Arg	His	Pro	Ser	Leu	Ile	Ser	Ser	Asp	Ser	Asn	Asn	Leu	225	230	235
Lys	Leu	Asn	Asn	Val	Arg	Leu	Pro	Arg	Glu	Asn	Met	Ser	Leu	Pro	Ser	245	250	255
Asn	Leu	Gln	Leu	Asn	Asp	Leu	Thr	Pro	Asp	Ser	Arg	Ala	Val	Lys	Pro	260	265	270
Ala	Asp	Arg	Gln	Met	Ala	Gln	Asn	Asn	Ser	Arg	Pro	Glu	Leu	Leu	Asp	275	280	285
Pro	Glu	Pro	Gly	Gly	Leu	Leu	Thr	Ser	Gln	Gly	Phe	Ile	Arg	Leu	Pro	290	295	300

Val Leu Gly Tyr Ile Tyr Arg Val Ser Ser Val Ser Ser Asp Glu Ile
305 310 315 320

Trp Leu

<210> 148

<211> 25

<212> PRT

<213> Homo sapiens

<400> 148

Met Ile Ser Leu Leu Trp Thr Leu Lys Leu Phe Ser Arg Asn Leu Asp
1 5 10 15

Tyr Ser Gln Lys Arg Lys Ser Trp Cys
20 25

<210> 149

<211> 25

<212> PRT

<213> Homo sapiens

<400> 149

Met Ile Ser Leu Leu Trp Thr Leu Lys Leu Phe Ser Arg Asn Leu Asp
1 5 10 15

Tyr Ser Gln Lys Arg Lys Ser Trp Cys
20 25

<210> 150

<211> 18

<212> PRT

<213> Homo sapiens

<400> 150

Thr Lys Ser Ser Asp Phe Gly Gly Gly Cys Arg Asn Ala Ser Ser Ser
1 5 10 15

Cys Cys

<210> 151

<211> 26

<212> PRT

<213> Homo sapiens

<400> 151

Gly Cys Phe Lys Ile Val Leu Phe Phe Lys Leu Val Ile Phe Ala Lys
1 5 10 15

Leu Phe Val Phe Val Val Ser Ile Asn Met
20 25

<210> 152

<211> 18

<212> PRT

<213> Homo sapiens

<400> 152

Thr Lys Ser Ser Asp Phe Gly Gly Gly Cys Arg Asn Ala Ser Ser Ser
1 5 10 15

Cys Cys

<210> 153

<211> 143

<212> PRT

<213> Homo sapiens

<400> 153

Met Val Cys Gly Trp Ile Ile Tyr Gly Ser Phe Ile Tyr Leu Ser Ser
1 5 10 15

His Cys Ala Thr Thr Phe Lys Glu Asp Gly Leu Trp Thr Tyr Leu Asn
20 25 30

Gln Ile Val Ala Cys Ser Pro Trp Val Leu Tyr Ile Leu Met Leu Ala
35 40 45

Thr Phe His Phe Ser Trp Ser Thr Phe Leu Leu Leu Asn Gln Leu Phe
50 55 60

Gln Ile Ala Phe Leu Gly Leu Thr Ser His Glu Arg Ile Ser Leu Gln
65 70 75 80

Lys Gln Ser Lys His Met Lys Gln Thr Leu Ser Leu Arg Lys Thr Pro
85 90 95

Tyr Asn Leu Gly Phe Met Gln Asn Leu Ala Asp Phe Phe Gln Cys Gly
100 105 110

Cys Phe Gly Leu Val Lys Pro Cys Val Val Asp Trp Thr Ser Gln Tyr
 115 120 125

Thr Met Val Phe His Pro Ala Arg Glu Lys Val Leu Arg Ser Val
 130 135 140

<210> 154
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 154
 Trp Glu Ser Leu Gly Leu Met Phe Leu Cys Gly Pro His Leu Thr Arg
 1 5 10 15

Leu Leu Leu Phe Leu Phe Thr Leu Gly Phe Cys Ala Phe Ile Asn Ile
 20 25 30

Val Leu Ser Phe Pro Leu Val Cys Ile Pro Phe Cys Leu Gly Arg Leu
 35 40 45

Tyr Phe Leu Leu Leu Thr Glu Lys Pro His Gln Glu Ala Cys Pro Gly
 50 55 60

Asp Glu Leu Gly Thr Gly His Leu His Ile Gly Leu Gly Ala Val Arg
 65 70 75 80

Leu Gln Gly Pro Asp Asn Met Arg Asn Glu Xaa Ser Xaa Ile Val Val
 85 90 95

Gly Asp Xaa Gly Leu
 100

<210> 155
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 155
 Met Leu Asn Asp Gly Lys Val Trp Val Ser Cys Phe Cys Val Val Leu
 1 5 10 15
 Thr Ser Leu Asp Phe Cys Ser Phe Cys Ser Leu Trp Ala Ser Val Leu
 20 25 30
 Ser Leu Ile
 35

<210> 156
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 156
 Gly Pro Arg Arg Leu Ser Gly Thr His Ser Arg Gly Ser Ser Pro Asp
 1 5 10 15
 Pro Cys Ser Cys Val Val Trp Ala Ser Ala Asn Ser Trp Ala Thr Cys
 20 25 30
 Val Tyr Leu Glu Pro Gly Ser Pro Leu Ser Ser Phe Pro Cys Ala Tyr
 35 40 45
 Ser Gly Thr Cys Leu Val Arg Val Trp Gln Glu Asn Gly Ala Phe Asn
 50 55 60
 Asn Leu Pro Ser Phe Ile Pro Trp Ser Leu Leu His Ala Arg Thr Cys
 65 70 75 80
 Ala His Leu Phe Gly Ala Leu Ser His Leu Ile Asp Ser Arg Pro Gly
 85 90 95
 Ala Val Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Asp Glu Ala Gly
 100 105 110
 Gly Ser

<210> 157
 <211> 26

<212> PRT

<213> Homo sapiens

<400> 157

Met	Cys	Val	Ser	Pro	Val	Ser	Val	Cys	Pro	Phe	Leu	Pro	Ser	Leu	His
1				5				10					15		

Phe	Ile	Asn	Asn	Trp	Cys	Asn	Val	Ser	Ser
		20				25			

<210> 158

<211> 106

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 158

Gly	Ser	Asp	Gly	Pro	Arg	Glu	Arg	Ala	Pro	Val	Ala	Trp	Leu	Ser	His
1				5				10					15		

Ser	Ile	Leu	Ser	Leu	Ile	Leu	Asn	Lys	Tyr	Phe	Leu	Trp	Gly	Phe	Phe
		20					25					30			

Phe	Phe	Leu	Xaa	Ala	Val	Val	Cys	Phe	Lys	Leu	Thr	Thr	Trp	Lys	Lys
		35					40					45			

His	Leu	Gly	Tyr	Leu	Trp	Phe	Ser	Cys	Leu	Val	Pro	Ala	Ser	Thr	Pro
	50					55					60				

Thr	Pro	Phe	Glu	Ser	Gly	Asp	Ser	Phe	Phe	Cys	Val	Glu	Thr	Arg	Trp
65					70					75					80

Pro	Arg	Gln	Glu	Val	Lys	Ala	Ala	Ile	Arg	Lys	Ala	Leu	Gly	Thr	Leu
				85					90					95	

Val	Pro	Val	Ala	Arg	Leu	Gln	Val	Thr	Ser
		100					105		

<210> 159

<211> 201

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 159
 Leu Ser Ser Leu Leu Pro Gln Arg Leu Xaa Glu Pro Ser Ser Ser Ser
 1 5 10 15

 Pro Gly Xaa Arg Thr Trp Gln Leu Ser Gln Lys Ser Arg Gly Pro Ser
 20 25 30

 Arg Ala Ser Ser Met Ser Val Leu Asn Ser Leu Arg Ser Ser Ser Trp
 35 40 45

 Trp Pro Arg Leu His Thr His Thr Ser Met Pro Glu Ser Pro Val Lys
 50 55 60

 Arg Arg Cys Leu Pro Gly Val Phe Ser Leu Leu Ser Gly Ala Pro Cys
 65 70 75 80

 Ser Glu Leu Ser Ser Phe Ser Ser Ser Ser Leu His Ser Ala Ser Leu
 85 90 95

 Ser Arg Lys Ala Pro Gly Ser Ser Ser Pro Arg Pro Ala Thr Glu Pro
 100 105 110

 Leu Gly Ser Ile Pro Gly Ala Leu Val Ala Ala Arg Ser Thr Gly Arg
 115 120 125

 Ser Glu Gly Ser Gly Ser Ala Met Leu Gly Gly Leu Val Leu Leu Leu
 130 135 140

 Leu Gly Ser Asp Lys Gly Leu Leu Cys Ala Pro Trp Asp Pro Leu Val
 145 150 155 160

 Gly Ser Met Pro Gly Gly Leu Pro Pro Ala Gly Pro His Cys Gly Gly
 165 170 175

 Ser Ser Cys Cys Cys Cys Ser Trp Lys Ala Leu Tyr Gly Gly Gly Gly
 180 185 190

 Val Gly Gly Arg Phe Thr Thr Ser Ser
 195 200

<210> 160

<211> 52
 <212> PRT
 <213> Homo sapiens

<400> 160

Met Ala Leu Leu Leu Leu Gln Ala Leu Pro Ser Pro Leu Ser Ala Arg
 1 5 10 15
 Ala Glu Pro Pro Gln Asp Lys Glu Ala Cys Val Gly Thr Asn Asn Gln
 20 25 30
 Ser Tyr Ile Cys Asp Thr Gly His Cys Cys Gly Gln Ser Gln Cys Cys
 35 40 45
 Lys Leu Leu Leu
 50

<210> 161
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 161

Leu Leu Leu Leu Gln Ala Leu Pro Ser Pro Leu Ser Ala Arg Ala Glu
 1 5 10 15
 Pro Pro Gln Asp Lys Glu Ala Cys Val Gly Thr Asn Asn Gln Ser Tyr
 20 25 30
 Ile Cys Asp Thr Gly His Cys Cys Gly Gln Ser Gln Cys Cys Asn Tyr
 35 40 45
 Tyr Tyr Glu Leu Trp Trp Phe Trp Leu Val Trp Thr Ile Ile Ile Ile
 50 55 60
 Leu Ser Cys Cys Cys Val Cys His His Arg Arg Ala Lys His Arg Leu
 65 70 75 80
 Gln Ala Gln Gln Arg Gln His Glu Ile Asn Leu Ile Ala Tyr Arg Glu
 85 90 95
 Ala His Asn Tyr Ser Ala Leu Pro Phe Tyr Phe Arg Phe Leu Pro Asn
 100 105 110
 Tyr Leu Leu Pro Pro Leu
 115

<210> 162

<211> 363
 <212> PRT
 <213> Homo sapiens

<400> 162

Met	Glu	Arg	Arg	Arg	Leu	Leu	Gly	Gly	Met	Ala	Leu	Leu	Leu	Leu	Gln
1				5					10					15	
Ala	Leu	Pro	Ser	Pro	Leu	Ser	Ala	Arg	Ala	Glu	Pro	Pro	Gln	Asp	Lys
			20					25					30		
Glu	Ala	Cys	Val	Gly	Thr	Asn	Asn	Gln	Ser	Tyr	Ile	Cys	Asp	Thr	Gly
		35					40					45			
His	Cys	Cys	Gly	Gln	Ser	Gln	Cys	Cys	Asn	Tyr	Tyr	Tyr	Glu	Leu	Trp
	50					55					60				
Trp	Phe	Trp	Leu	Val	Trp	Thr	Ile	Ile	Ile	Ile	Leu	Ser	Cys	Cys	Cys
65					70					75					80
Val	Cys	His	His	Arg	Arg	Ala	Lys	His	Arg	Leu	Gln	Ala	Gln	Gln	Arg
				85					90					95	
Gln	His	Glu	Ile	Asn	Leu	Ile	Ala	Tyr	Arg	Glu	Ala	His	Asn	Tyr	Ser
			100					105					110		
Ala	Leu	Pro	Phe	Tyr	Phe	Arg	Phe	Leu	Pro	Asn	Tyr	Leu	Leu	Pro	Pro
		115					120					125			
Tyr	Glu	Glu	Val	Val	Asn	Arg	Pro	Pro	Thr	Pro	Pro	Pro	Pro	Tyr	Ser
	130					135					140				
Ala	Phe	Gln	Leu	Gln	Gln	Gln	Gln	Leu	Leu	Pro	Pro	Gln	Cys	Gly	Pro
145					150					155					160
Ala	Gly	Gly	Ser	Pro	Pro	Gly	Ile	Asp	Pro	Thr	Arg	Gly	Ser	Gln	Gly
				165				170						175	
Ala	Gln	Ser	Ser	Pro	Leu	Ser	Glu	Pro	Ser	Arg	Ser	Ser	Thr	Arg	Pro
			180					185					190		
Pro	Ser	Ile	Ala	Asp	Pro	Asp	Pro	Ser	Asp	Leu	Pro	Val	Asp	Arg	Ala
		195					200					205			
Ala	Thr	Lys	Ala	Pro	Gly	Met	Glu	Pro	Ser	Gly	Ser	Val	Ala	Gly	Leu
	210					215					220				
Gly	Glu	Leu	Asp	Pro	Gly	Ala	Phe	Leu	Asp	Lys	Asp	Ala	Glu	Cys	Arg
225					230					235					240
Glu	Glu	Leu	Leu	Lys	Asp	Asp	Ser	Ser	Glu	His	Gly	Ala	Pro	Asp	Ser
				245					250					255	

Lys Glu Lys Thr Pro Gly Arg His Arg Arg Phe Thr Gly Asp Ser Gly
 260 265 270
 Ile Glu Val Cys Val Cys Asn Arg Gly His His Asp Asp Asp Leu Lys
 275 280 285
 Glu Val Asn Thr Leu Ile Asp Asp Ala Leu Asp Gly Pro Leu Asp Phe
 290 295 300
 Cys Asp Ser Cys His Val Arg Pro Pro Gly Asp Glu Glu Glu Gly Leu
 305 310 315 320
 Cys Gln Pro Ser Glu Glu Gln Ala Arg Glu Pro Gly His Pro His Leu
 325 330 335
 Pro Arg Pro Pro Ala Cys Leu Leu Leu Asn Thr Ile Asn Glu Gln Asp
 340 345 350
 Ser Pro Asn Ser Gln Ser Asn Ser Ser Pro Ser
 355 360

<210> 163
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 163

Gln Xaa Lys Pro Pro Xaa Pro Ala Ala Pro Ala Ala Pro Xaa Ala Pro
1 5 10 15

Ala Pro Leu Glu Lys Pro Ile Arg Ser His Glu Ala Thr Gly Gly Gly
20 25 30

Glu Xaa Ala Cys Gly Val Thr Gly Ala Ser Thr Pro Glu Gly Thr Ala
35 40 45

Pro Pro Xaa Pro Ala Ala Pro Ala Pro Pro Lys Gly Glu Lys Glu Gly
50 55 60

Gln Arg Pro Thr Gln Pro Val Tyr Gln Ile Gln Asn Arg Gly Met Gly
65 70 75 80

Thr Ala Ala Pro Ala Ala Met Asp Arg Glu Leu Gly Leu Gly Ser Thr
85 90 95

Arg Leu Gly Thr Gly Val Ser Ser Gln Ile Leu Thr Ala Ser Ser Val
100 105 110

Ser Cys Phe Leu Gln Ser Pro Ala Val Val Gly Gln Ala Lys Leu Leu
115 120 125

Pro Pro Glu Arg Met Lys His Ser Ile Lys Leu Val Asp Asp Gln Met
130 135 140

Asn Trp Cys Asp Ser Ala Ile Glu Val Pro Arg Gly Pro Ala Leu Pro
145 150 155 160

Glu Leu Pro His Ile Leu His Pro Leu Ile Phe His Leu Ser Val Gly
165 170 175

Asn Thr Arg Leu Glu Gly Phe Glu Ala Thr Tyr Ser Ser Glu Arg Gly
180 185 190

Trp Tyr Gln Asn Ile Leu Thr
195

<210> 164

<211> 21

<212> PRT

<213> Homo sapiens

<400> 164

Met Lys Asn Ser Phe Phe Thr Val Ser Trp Ala Leu Thr Cys Ser Phe
1 5 10 15

Ser Trp Ala Thr Val
20

<210> 165
<211> 21
<212> PRT
<213> Homo sapiens

<400> 165
Met Lys Asn Ser Phe Phe Thr Val Ser Trp Ala Leu Thr Cys Ser Phe
1 5 10 15

Ser Trp Ala Thr Val
20

<210> 166
<211> 39
<212> PRT
<213> Homo sapiens

<400> 166
Met Pro Leu Phe Arg Thr Phe Lys Gln Leu Gly Leu Phe Leu Phe Leu
1 5 10 15

Ile Ile Pro Ile Ile Cys Ser Ser Leu Pro Pro Leu Gly Pro Val Gln
20 25 30

Ser Phe Leu Gly Cys Leu Tyr
35

<210> 167
<211> 50
<212> PRT
<213> Homo sapiens

<400> 167
Met Leu Leu Leu Val Val Thr Leu Val Asn Leu Ser Ile Tyr Lys Leu
1 5 10 15

Ile Lys Leu Val Thr Ala Leu Ser Lys Lys Leu Gly Ala Lys Gly Val
20 25 30

Leu Lys Asn Ala His Phe Met Arg Cys Asn Cys Gly Glu Met Arg Thr
35 40 45

Arg Ser
50

<210> 168
<211> 2
<212> PRT
<213> Homo sapiens

<400> 168
Leu Leu
1

<210> 169
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 169
Trp Tyr Gln Gly Lys Xaa Asp Leu Lys Gly Leu Gly Xaa Val Leu Asp
1 5 10 15

Gly Ser Asp Gly Met Ala Gly Gly Ile Pro Glu Gly Met Ala Phe Thr
20 25 30

Leu Tyr Leu Gly Ile Trp Leu Ser Ser Pro Phe Pro Asp Cys Cys Ile
35 40 45

Ala Phe Xaa Phe Ala Tyr Ser Ser Ser Pro Leu Ser Ser Gly Asp Thr
50 55 60

Phe Gln Gly Pro Gln
65

<210> 170
 <211> 135
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 170
 Ala Lys Met Pro Trp Thr Cys Ser Val Ser Asp Pro Thr Ser Cys Asp
 1 5 10 15
 Ser Gln Ala Gln Lys Met Pro Gly Val Arg Ala Ser Arg Gln Pro Gly
 20 25 30
 Xaa Gly Arg Gln Cys Leu Leu Leu Leu His Gln Val Gln Gly Ile Trp
 35 40 45
 Leu Lys Ala Cys Ile Phe Pro Gly His Lys Leu Pro Glu Pro Leu Lys
 50 55 60
 Trp Glu Ala Arg Gln Phe Gln Thr Asn Leu Phe Ser Thr His His Ser
 65 70 75 80
 Thr Phe Lys Val Cys Leu Leu Leu Leu Pro Val His Pro Pro Ser Leu
 85 90 95
 Gln Phe Phe His Ser Leu Thr Ser Glu Arg Val Pro Gly Gly Ser Met
 100 105 110
 Val Asn Lys Leu Thr Cys Met Leu Gln Lys Lys Lys Lys Lys Lys Ile
 115 120 125
 Xaa Ala Val Arg Lys Gly Ile
 130 135

<210> 171
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 171

Met Leu Leu Leu Val Val Thr Leu Val Asn Leu Ser Ile Tyr Lys Leu
1 5 10 15

Ile Lys Leu Val Thr Ala Leu Ser Lys Lys Leu Gly Ala Lys Gly Val
20 25 30

Leu Lys Asn Ala His Phe Met Arg Cys Asn Cys Gly Glu Met Arg Thr
35 40 45

Arg Ser
50

<210> 172

<211> 77

<212> PRT

<213> Homo sapiens

<400> 172

Met Ala Thr Thr Gly Thr Lys Pro Thr Ser Cys Trp Cys Trp Phe Leu
1 5 10 15

Leu Ala Met Cys Trp Phe Val Gln Leu Arg Thr Glu Trp Glu Arg Ala
20 25 30

Phe Leu Phe Val Pro Ile Ala Arg Glu Pro Gly Arg Leu Cys Arg Phe
35 40 45

Ser Gly Asn Lys Gln Leu Asn Gly Leu Ala Val Ala Leu Gln Ala Phe
50 55 60

Arg Phe Ala Lys Asn Lys Thr Ser Gln Lys Arg Cys Ala
65 70 75

<210> 173

<211> 77

<212> PRT

<213> Homo sapiens

<400> 173

Met Ala Thr Thr Gly Thr Lys Pro Thr Ser Cys Trp Cys Trp Phe Leu
1 5 10 15

Leu Ala Met Cys Trp Phe Val Gln Leu Arg Thr Glu Trp Glu Arg Ala
20 25 30

Phe Leu Phe Val Pro Ile Ala Arg Glu Pro Gly Arg Leu Cys Arg Phe
35 40 45

Ser Gly Asn Lys Gln Leu Asn Gly Leu Ala Val Ala Leu Gln Ala Phe
50 55 60

Arg Phe Ala Lys Asn Lys Thr Ser Gln Lys Arg Cys Ala
65 70 75

<210> 174
<211> 56
<212> PRT
<213> Homo sapiens

<400> 174
Cys Asp Val Lys Pro Ala Asp Val Lys Asp Ile Gly Gly Thr Val Glu
1 5 10 15

Ala Ser Cys Met Asn Phe Ser Trp Pro Ala Pro Thr Ala Gln Val His
20 25 30

Thr Arg Lys Arg Arg Val Trp Ala Cys Leu Arg Val Asp Val Ser Ser
35 40 45

Glu Val Arg Pro Gly Lys Ala Leu
50 55

<210> 175
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 175
Met Ala Gln Ser Arg Val Leu Leu Leu Leu Leu Leu Pro Pro Gln
1 5 10 15

Leu Ala Pro Gly Thr Cys Ala Cys Arg Glu Gly Pro Arg Ile Trp Pro
20 25 30

Asn Gly Gly His Ser Leu Ser Pro Glu Glu Asn Xaa Leu Arg Lys Lys

35 40 45
 Ser Arg Leu Leu Leu Ile Glu Ala Xaa Lys Lys Pro Gly Ala Trp Ala
 50 55 60

Gln Ala Ala Val
 65

<210> 176
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 176
 Met Ala Gln Ser Arg Val Leu Leu Leu Leu Leu Leu Leu Pro Pro Gln
 1 5 10 15

Leu His Leu Gly Pro Val Leu Ala Val Xaa Ala Pro Gly Phe Gly Arg
 20 25 30

Ser Gly Gly His Ser Leu Ser Pro Glu Glu Asn Glu Phe Ala Glu Glu
 35 40 45

Glu Pro Val Leu Val Leu Ser Pro Glu Glu Pro Gly Pro Gly Pro Ala
 50 55 60

Ala Val Ser Cys Pro Arg Asp Cys Ala Cys Ser Gln Glu Gly Val Val
 65 70 75 80

Asp Cys Gly Gly Tyr
 85

<210> 177
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 177
 Met Ile Tyr Gln Ile Tyr Gly Ile Ile Cys Ser Leu Phe Pro
 1 5 10

<210> 178
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 178
 Gly Pro Phe Cys Asp Val Thr Thr Leu His Leu Pro Gly Leu Leu Cys
 1 5 10 15
 Thr Gln Cys Ser Leu Asp Pro Val Asp Leu Tyr Leu Trp Arg Ser
 20 25 30

<210> 179
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 179
 Met Ile Tyr Gln Ile Tyr Gly Ile Ile Cys Ser Leu Phe Pro
 1 5 10

<210> 180
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 180
 Thr Met Gly Pro Gly Asp Arg His Arg Leu Pro Val Tyr Leu Gly His
 1 5 10 15
 Cys Leu Gly Cys Leu Glu Ser Gly Leu Leu Ala Gln Ile Leu Pro Leu
 20 25 30
 Leu Gly Gln Gly Arg Pro Phe Met Asp Ser Leu Ile Arg Val Ala Ala
 35 40 45
 Glu Arg Arg Ala Gly Gln Val Leu Lys Gly Thr Leu Lys Arg Phe Ser
 50 55 60
 Glu Arg Gln Gly Arg Arg Xaa
 65 70

<210> 181
 <211> 204
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 181
 Xaa Pro Ser Leu Xaa Gly Thr Xaa Ala Gly Gly Ser Thr Ala Val Ala
 1 5 10 15
 Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg
 20 25 30
 Ala Ala Ala Glu Leu Ser Leu Leu Glu Lys Ser Leu Gly Leu Ser Lys
 35 40 45
 Gly Asn Lys Tyr Ser Ala Gln Gly Glu Arg Gln Ile Pro Val Leu Gln
 50 55 60
 Thr Asn Asn Gly Pro Ser Leu Thr Gly Leu Thr Thr Ile Ala Ala His
 65 70 75 80
 Leu Val Lys Gln Ala Asn Lys Glu Tyr Leu Leu Gly Ser Thr Ala Glu
 85 90 95
 Glu Lys Ala Ile Val Gln Gln Trp Leu Glu Tyr Arg Val Thr Gln Val
 100 105 110
 Asp Gly His Ser Ser Lys Asn Asp Ile His Thr Leu Leu Lys Asp Leu
 115 120 125
 Asn Ser Tyr Leu Glu Asp Lys Val Tyr Leu Thr Gly Tyr Asn Phe Thr
 130 135 140
 Leu Ala Asp Ile Leu Leu Tyr Tyr Gly Leu His Arg Phe Ile Val Asp
 145 150 155 160

Leu Thr Val Gln Glu Lys Glu Lys Tyr Leu Asn Val Ser Arg Trp Phe
165 170 175

Cys His Ile Gln His Tyr Pro Gly Ile Arg Gln His Leu Ser Ser Val
180 185 190

Val Phe Ile Lys Asn Arg Leu Tyr Thr Asn Ser His
195 200

<210> 182

<211> 54

<212> PRT

<213> Homo sapiens

<400> 182

Met Thr Ser Pro Leu Ala Arg Leu Leu Leu Pro Phe Trp Cys His Thr
1 5 10 15

Leu Gly Thr Met Ala Leu Gly Thr Pro Asn Pro Gly Ala Met Ala Trp
20 25 30

Gly Ala Val Gly Glu Pro Asn Pro Gly Ala Trp Thr Val Pro Leu Gly
35 40 45

Ala Phe Leu Ala Gly Arg
50

<210> 183

<211> 54

<212> PRT

<213> Homo sapiens

<400> 183

Met Thr Ser Pro Leu Ala Arg Leu Leu Leu Pro Phe Trp Cys His Thr
1 5 10 15

Leu Gly Thr Met Ala Leu Gly Thr Pro Asn Pro Gly Ala Met Ala Trp
20 25 30

Gly Ala Val Gly Glu Pro Asn Pro Gly Ala Trp Thr Val Pro Leu Gly
35 40 45

Ala Phe Leu Ala Gly Arg
50

<210> 184

<211> 1
<212> PRT
<213> Homo sapiens

<400> 184
Ser
1

<210> 185
<211> 3
<212> PRT
<213> Homo sapiens

<400> 185
Leu Leu Cys
1

<210> 186
<211> 1
<212> PRT
<213> Homo sapiens

<400> 186
Ser
1

<210> 187
<211> 5
<212> PRT
<213> Homo sapiens

<400> 187
Ala Gly Thr Trp Ser
1 5

<210> 188
<211> 45
<212> PRT
<213> Homo sapiens

<400> 188
Met Ala Gly Val Trp Asn Thr Ile Ala Leu Trp Phe Leu Ser Val Phe
1 5 10 15

Gly Val Ile Ser Ala Pro Thr Thr Gly Thr Ser Pro Thr Ser Cys Arg
 20 25 30

Cys Val Gly Pro Arg Pro Pro Gly Cys Gly Pro Ala Gly
 35 40 45

<210> 189
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 189
 Leu Ile Asn Val Thr Asn Val Gly Ile Ile Leu Ala Val Ser Gln Pro
 1 5 10 15

Leu Asp Asp Ile Xaa Glu Phe Ile Ile Glu Lys Arg Ser Asp Tyr Asn
 20 25 30

Lys Tyr Arg Lys Glu Asn Met Trp Leu Pro Leu Asn Pro Tyr
 35 40 45

<210> 190
 <211> 304
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 190

Met	Leu	Gln	Phe	Gln	Arg	Thr	Trp	Lys	Tyr	Lys	Gly	Glu	Phe	Xaa	Leu	
1				5				10						15		
His	Gln	Gly	Asn	Ala	Glu	Arg	His	Phe	Met	Gln	Val	Thr	Xaa	Val	Xaa	
			20					25					30			
Glu	Ile	Ser	Thr	Gly	Lys	Arg	Asp	Asn	Glu	Phe	Ser	Asn	Ser	Gly	Arg	
		35					40					45				
Ser	Ile	Pro	Leu	Lys	Ser	Val	Phe	Leu	Thr	Gln	Gln	Lys	Val	Pro	Thr	
	50					55					60					
Ile	Gln	Gln	Val	His	Lys	Phe	Asp	Ile	Tyr	Asp	Lys	Leu	Phe	Pro	Gln	
65					70					75					80	
Asn	Ser	Val	Ile	Ile	Glu	Tyr	Lys	Arg	Leu	His	Ala	Glu	Lys	Glu	Ser	
				85					90					95		
Leu	Ile	Gly	Asn	Glu	Cys	Glu	Glu	Phe	Asn	Gln	Ser	Thr	Tyr	Leu	Ser	
			100					105					110			
Lys	Asp	Ile	Gly	Ile	Pro	Pro	Gly	Glu	Lys	Pro	Tyr	Glu	Ser	His	Asp	
	115						120					125				
Phe	Ser	Lys	Leu	Leu	Ser	Phe	His	Ser	Leu	Phe	Thr	Gln	His	Gln	Thr	
	130					135					140					
Thr	His	Phe	Gly	Lys	Leu	Pro	His	Gly	Tyr	Asp	Glu	Cys	Gly	Asp	Ala	
145					150					155					160	
Phe	Ser	Cys	Tyr	Ser	Phe	Phe	Thr	Gln	Pro	Gln	Arg	Ile	His	Ser	Gly	
				165					170					175		
Glu	Lys	Pro	Tyr	Ala	Cys	Asn	Asp	Cys	Gly	Xaa	Ala	Phe	Ser	Pro	Thr	
			180					185					190			
Ser	Phe	Ser	Val	Asn	Ile	Lys	Glu	Leu	Ile	Leu	Gly	Arg	Asn	Leu	Met	
	195						200					205				
Asn	Val	Arg	Asn	Val	Thr	Lys	Leu	Ser	Asp	Arg	Val	Leu	Thr	Leu	Leu	
	210					215					220					
Asn	Ile	Arg	Gly	Ser	Thr	Leu	Glu	Arg	Asn	Arg	Leu	Arg	Ala	Met	Asn	
225					230					235					240	
Val	Gly	Arg	Pro	Leu	Ala	Val	Met	Pro	Ser	Leu	Leu	Asn	Ile	Arg	Glu	
				245					250					255		

Phe Thr Gln Val Arg Asn His Met Asn Val Lys Asn Val Ile Lys Pro
 260 265 270

Ser Asp Arg Val Leu Thr Leu Ile Asn Ile Arg Gly Phe Thr Leu Glu
 275 280 285

Arg Asn Pro Met Asn Val Ile Ser Val Glu Lys Pro Ser Ala Asp Ala
 290 295 300

<210> 191

<211> 336

<212> PRT

<213> Homo sapiens

<400> 191

Met Asp Thr Met Asn Val Val Met Pro Leu Ala Val Thr His Ser Leu
 1 5 10 15

Leu Asn Leu Arg Glu Phe Thr Val Val Glu Lys Pro Tyr Ala Cys Asn
 20 25 30

Asp Cys Gly Lys Ala Phe Ser His Asp Phe Phe Leu Ser Glu His Gln
 35 40 45

Arg Thr His Ile Gly Glu Lys Pro Tyr Glu Cys Lys Glu Cys Asn Lys
 50 55 60

Ala Phe Arg Gln Ser Ala His Leu Ala Gln His Gln Arg Ile His Thr
 65 70 75 80

Gly Glu Lys Pro Phe Ala Cys Asn Glu Cys Gly Lys Ala Phe Ser Arg
 85 90 95

Tyr Ala Phe Leu Val Glu His Gln Arg Ile His Thr Gly Glu Lys Pro
 100 105 110

Tyr Glu Cys Lys Glu Cys Asn Lys Ala Phe Arg Gln Ser Ala His Leu
 115 120 125

Asn Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Asn
 130 135 140

Gln Cys Gly Lys Ala Phe Ser Arg Arg Ile Ala Leu Thr Leu His Gln
 145 150 155 160

Arg Ile His Thr Gly Glu Lys Pro Phe Lys Cys Ser Glu Cys Gly Lys
 165 170 175

Thr	Phe	Gly	Tyr	Arg	Ser	His	Leu	Asn	Gln	His	Gln	Arg	Ile	His	Thr
			180					185					190		
Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Ile	Lys	Cys	Gly	Lys	Phe	Phe	Arg	Thr
		195					200					205			
Asp	Ser	Gln	Leu	Asn	Arg	His	His	Arg	Ile	His	Thr	Gly	Glu	Arg	Pro
	210					215					220				
Phe	Glu	Cys	Ser	Lys	Cys	Gly	Lys	Ala	Phe	Ser	Asp	Ala	Leu	Val	Leu
225					230					235					240
Ile	His	His	Lys	Arg	Ser	His	Ala	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Asn
			245						250					255	
Lys	Cys	Gly	Lys	Ala	Phe	Ser	Cys	Gly	Ser	Tyr	Leu	Asn	Gln	His	Gln
		260						265					270		
Arg	Ile	His	Thr	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Ser	Glu	Cys	Gly	Lys
	275						280					285			
Ala	Phe	His	Gln	Ile	Leu	Ser	Leu	Arg	Leu	His	Gln	Arg	Ile	His	Ala
	290					295					300				
Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Asn	Glu	Cys	Gly	Asn	Asn	Phe	Ser	Cys
305					310					315					320
Val	Ser	Ala	Leu	Arg	Arg	His	Gln	Arg	Ile	His	Asn	Arg	Glu	Thr	Leu
			325					330					335		

<210> 192

<211> 54

<212> PRT

<213> Homo sapiens

<400> 192

Leu	Ala	Ala	Thr	Arg	Lys	Phe	Phe	Leu	Ser	Ser	His	Ser	Ser	Ser	Cys
1				5					10					15	

Lys	Lys	Gly	Ala	Met	Ser	Gln	Lys	Glu	Ala	Pro	Phe	His	Arg	Gln	Arg
			20					25					30		

Leu	His	Arg	Glu	Arg	Gly	Asn	Arg	Arg	Leu	Gly	Asn	Gly	Gly	Glu	Trp
		35					40					45			

Gly Arg Asn Trp Val Gln

<210> 193
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 193
 Met His Gln Leu Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val
 1 5 10 15
 Gly Gly Gly Leu Gly Gly Ile Ile Leu Val Leu
 20 25

<210> 194
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 194
 Met Pro Gly Val Leu Gly Ala Leu Leu Gly Val Leu Val Ala Gly Leu
 1 5 10 15
 Ala Thr His Glu Ala Tyr Gly Asp Gly Leu Glu Ser Val Phe Pro Leu
 20 25 30
 Ile Ala Glu Gly Gln Arg Ser Ala Thr Ser Gln Ala Met His Gln Leu
 35 40 45
 Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val Gly Gly Gly Leu
 50 55 60
 Gly Gly Ile Ile Leu Val Leu Cys Leu Leu Asp Pro Cys Ala Leu Trp
 65 70 75 80
 His Trp Val Ala Pro Ser Ser Met Val Gly Gly Arg Glu Ala Ser Gln
 85 90 95
 Ile Leu Pro Tyr His His Gln Gly Ser Cys
 100 105

<210> 195
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 195
 Asn Leu Xaa Cys Cys Glu Pro Leu Lys Gly Thr Glu Ile Val His Leu
 1 5 10 15
 Xaa Ser Ser Asp Phe Lys Ala Val Ala Cys Arg Cys Ser Gln Leu Asn
 20 25 30
 Lys Ala Leu Pro Ser Thr Thr Leu Arg Gly Phe Val Cys Gly Ser Ser
 35 40 45
 Cys Tyr Ile Ser Trp Phe Pro Asn Gln Glu Thr Arg
 50 55 60

<210> 196
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 196
 Pro Gly Asn Glu Val Thr Asp Gly Gln Pro Arg Gln Pro Leu Arg Arg
 1 5 10 15
 Leu Arg Leu Pro Cys Gly Ala Ser Leu Xaa Arg Xaa Pro Ala Ser Pro
 20 25 30
 Ser Asp Ala Ile Gln Arg Ala Leu Pro Gly Arg Lys Leu Pro Arg Trp
 35 40 45
 Asn Ala Ser Pro Glu Gln Arg Val Ala Val Pro Cys Gly Gly Leu Thr
 50 55 60

Gln Trp Leu Asn Thr Gly Lys Glu Leu Ala Leu Gly Val Arg Thr Ser
65 70 75 80

Glu Thr

<210> 197

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 197

Arg Xaa Pro Ile Phe Ile Gly Glu Asn Phe Tyr Pro Pro Val Arg Gly
1 5 10 15

Arg Val Gly Met Ser Ala Cys Gln Gly Gly Gly Gly Gly Gly Gly Gly Gly
20 25 30

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
35 40 45

Gly Gly Gly Gly Val Asp Lys Leu Pro Cys Leu Thr Met Cys Trp Cys
50 55 60

Gly Asn Gly Ala Gln Pro Ala Arg Leu Lys Val Asp Gly Ile Pro Thr
65 70 75 80

Gly Gln Arg Lys Ser Tyr Ala Asp Thr Pro Ala Trp Pro Gly
85 90

<210> 198

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 198

Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly Pro

1		5		10		15											
Ala	Leu	Ala	Leu	Tyr	Val	Phe	Thr	Ile	Ala	Xaa	Glu	Pro	Leu	Arg	Ile		
		20						25					30				
Ile	Phe	Leu	Ile	Ala	Gly	Ala	Phe	Phe	Trp	Leu	Val	Ser	Leu	Leu	Ile		
		35					40					45					
Ser	Ser	Leu	Val	Trp	Phe	Met	Ala	Arg	Val	Ile	Ile	Asp	Asn	Lys	Asp		
	50					55					60						
Gly	Pro	Thr	Gln	Lys	Tyr	Leu	Leu	Ile	Phe	Gly	Ala	Phe	Val	Ser	Val		
65					70					75					80		
Tyr	Ile	Gln	Glu	Met	Phe	Arg	Phe	Ala	Tyr	Tyr	Lys	Leu	Leu	Lys	Lys		
				85					90					95			
Ala	Ser	Glu	Gly	Leu	Lys	Ser	Ile	Asn	Pro	Gly	Glu	Thr	Ala	Pro	Ser		
		100						105					110				
Met	Arg	Leu	Leu	Ala	Tyr	Val	Ser	Gly	Leu	Gly	Phe	Gly	Ile	Met	Ser		
		115					120					125					
Gly	Val	Phe	Ser	Phe	Val	Asn	Thr	Leu	Ser	Asp	Ser	Leu	Gly	Pro	Gly		
	130					135					140						
Thr	Val	Gly	Ile	His	Gly	Asp	Ser	Pro	Gln	Phe	Phe	Leu	Tyr	Ser	Ala		
145					150					155					160		
Phe	Met	Thr	Leu	Val	Ile	Ile	Leu	Leu	His	Val	Phe	Trp	Gly	Ile	Val		
			165					170						175			
Phe	Phe	Asp	Gly	Cys	Glu	Lys	Lys	Lys	Trp	Gly	Ile	Leu	Leu	Ile	Val		
		180						185					190				
Leu	Leu	Thr	His	Leu	Leu	Val	Ser	Ala	Gln	Thr	Phe	Ile	Ser	Ser	Tyr		
		195					200					205					
Tyr	Gly	Ile	Asn	Leu	Ala	Ser	Ala	Phe	Ile	Ile	Leu	Val	Leu	Met	Gly		
	210					215					220						
Thr	Trp	Ala	Phe	Leu	Ala	Ala	Gly	Gly	Ser	Cys	Arg	Ser	Leu	Lys	Leu		
225					230					235					240		
Cys	Leu	Leu	Cys	Gln	Asp	Lys	Asn	Phe	Leu	Leu	Tyr	Asn	Gln	Arg	Ser		
			245						250					255			

Arg

<210> 199
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 199

Met	Thr	Ala	Ala	Val	Phe	Phe	Gly	Cys	Ala	Phe	Ile	Ala	Phe	Gly	Pro
1				5					10					15	
Ala	Leu	Ala	Leu	Tyr	Val	Phe	Thr	Ile	Ala	Ile	Glu	Pro	Leu	Arg	Ile
			20					25					30		
Ile	Phe	Leu	Ile	Ala	Gly	Ala	Phe	Phe	Trp	Leu	Val	Ser	Leu	Leu	Ile
		35					40					45			
Ser	Ser	Leu	Val	Trp	Phe	Met	Ala	Arg	Val	Ile	Ile	Asp	Asn	Lys	Asp
	50					55					60				
Gly	Pro	Thr	Gln	Lys	Tyr	Leu	Leu	Ile	Phe	Gly	Ala	Phe	Val	Ser	Val
65					70					75					80
Tyr	Ile	Gln	Glu	Met	Phe	Arg	Phe	Ala	Tyr	Tyr	Lys	Leu	Leu	Lys	Lys
				85					90					95	
Ala	Ser	Glu	Gly	Leu	Lys	Ser	Ile	Asn	Pro	Gly	Glu	Thr	Ala	Pro	Ser
			100					105					110		
Met	Arg	Leu	Leu	Ala	Tyr	Val	Ser	Gly	Leu	Gly	Phe	Gly	Ile	Met	Ser
		115					120					125			
Gly	Val	Phe	Ser	Phe	Val	Asn	Thr	Leu	Ser	Asp	Ser	Leu	Gly	Pro	Gly
	130					135					140				
Thr	Val	Gly	Ile	His	Gly	Asp	Ser	Pro	Gln	Phe	Phe	Leu	Tyr	Ser	Ala
145					150					155					160
Phe	Met	Thr	Leu	Val	Ile	Ile	Leu	Leu	His	Val	Phe	Trp	Gly	Ile	Val
				165					170					175	
Phe	Phe	Asp	Gly	Cys	Glu	Lys	Lys	Lys	Trp	Gly	Ile	Leu	Leu	Ile	Val
			180					185					190		
Leu	Leu	Thr	His	Leu	Leu	Val	Ser	Ala	Gln	Thr	Phe	Ile	Ser	Ser	Tyr
		195					200					205			
Tyr	Gly	Ile	Asn	Leu	Ala	Ser	Ala	Phe	Ile	Ile	Leu	Val	Leu	Met	Gly
	210					215					220				
Thr	Trp	Ala	Phe	Leu	Ala	Ala	Gly	Gly	Ser	Cys	Arg	Ser	Leu	Lys	Leu
225					230					235					240
Cys	Leu	Leu	Cys	Gln	Asp	Lys	Asn	Phe	Leu	Leu	Tyr	Asn	Gln	Arg	Ser

Arg

<210> 200
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 200
 Trp Arg His Leu Thr Val Ser Xaa Gly Leu Gln Xaa Arg Leu Ser Xaa
 1 5 10 15

Arg Xaa Xaa Trp Glu Gly Xaa Pro Arg Ser Thr Thr Ala Ala Gly Trp
 20 25 30

Gly Arg Thr Gly
 35

<210> 201
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 201
 His Leu Ser Leu Pro Arg Leu Leu Trp Thr Leu Gln Ile Pro Gln Cys
 1 5 10 15
 Pro Gln Leu Gln Asp
 20

<210> 202
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 202
 Asp Pro Gln Asn Ile Tyr Trp Glu His Leu Ser Ile Arg Gly Phe Ile
 1 5 10 15
 Trp Trp Leu Arg Cys Leu Val Ile Asn Val Val Leu Phe Ile Leu Leu
 20 25 30
 Phe Phe Leu Thr Thr Pro Ala Ile Ile Ile Thr Thr Met Asp Lys Phe
 35 40 45
 Asn Val Thr Lys Pro Val Glu Tyr Leu Asn Val Arg Pro His Ala Pro
 50 55 60
 Val Thr Phe His Ala Gly Ser Gln His Thr Asp Thr Arg Pro
 65 70 75

<210> 203
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met His Lys Cys Tyr Thr Phe Leu Ile Phe Met Val Leu Leu Leu Pro
 1 5 10 15
 Ser Leu Gly Leu Ser Ser Leu Asp Leu Phe Phe Arg Trp Leu Phe Asp
 20 25 30
 Lys Lys Phe Leu Ala Glu Ala Ala Ile Arg Phe Glu Cys Val Phe Leu

<210> 204
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 204
 Val Val Val Glu Leu Ile Asn Arg Xaa Gln Asn Tyr Phe Gln Tyr Ile
 1 5 10 15
 Val Tyr Leu Tyr Xaa Lys Arg Asp Gly Pro Phe Tyr Gly Gly Thr Leu
 20 25 30
 Ser Met Val Val Phe Cys Asp Val Leu Phe Leu Leu Leu Leu Phe Ala
 35 40 45
 Leu Phe Ser Pro Ile Thr Ala Leu Leu Ser Leu Lys Arg Ile Asn Phe
 50 55 60
 Ile
 65

<210> 205
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 205
 Ala Gln Glu Leu Arg Pro Ala Trp Glu Thr Trp Gln Gly Pro Ile Ser
 1 5 10 15
 Thr Glu Thr Thr Glu Asn Trp Val Gly Met Val Ala Arg Val Pro Ala
 20 25 30
 Ala Gln Glu Ala Glu Val Gly Gly Ser Leu Glu Pro Arg Arg Leu Arg
 35 40 45
 Leu Gln

<210> 206
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 206
 Asp Leu Thr Cys Leu Leu Ser Ser Asn Phe Ile Ile Gly Ile Asn Val
 1 5 10 15
 His Phe Phe Pro Val Pro Val Ser Glu Ala Phe Ile Cys Val Cys Met
 20 25 30
 Cys Val Leu Asn Lys Cys Ile Arg Tyr Leu Lys Asn Ser Asn Leu Asn
 35 40 45
 Leu Asn Asn Leu Lys Asn Glu Ile Val Ile Leu Cys Val Lys Val Ser
 50 55 60
 Asp Val Leu Tyr Ser Ala Leu Lys Thr Ile Phe Ile Tyr Ser Ser Thr
 65 70 75 80
 Asp Thr Lys Tyr Ile Leu Lys Leu Leu Ser
 85 90

<210> 207
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 207
 Met Ser Cys Leu Trp Ala Gly Ile Lys Phe Leu Gly Phe Gly Phe Cys
 1 5 10 15
 Trp Met Asp Cys Ser Leu Cys Glu Pro Ile Trp Val Cys Gln Ile Gln
 20 25 30
 Ser Leu Gly Cys His Gly Asn Leu Ala
 35 40

<210> 208
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 208

Ser Leu Asp Thr Ala Leu Leu Ser Thr Leu Cys Ser Leu Ala Phe Thr
1 5 10 15

Ala Ala Ser Thr Ser Ser Thr Val Ala Tyr Val Thr Asn Pro Lys Pro
20 25 30

Leu Glu His Leu Val Phe Gly Ser Leu Ile Thr Thr Val Cys Glu Cys
35 40 45

Ser Leu Leu Leu Arg Met Ala His Trp Thr Leu Thr Gly His Phe Lys
50 55 60

Ala Gln Leu Ser Asp Glu Glu Leu Leu Gln Leu Leu Gly Leu Leu Lys
65 70 75 80

Arg Leu Cys Leu Arg His Asp Ser Ser Gly Lys Arg Asp Phe Asn Asp
85 90 95

Val Phe Ser Gly Ile His Gly
100

<210> 209

<211> 49

<212> PRT

<213> Homo sapiens

<400> 209

Met Arg Gln Thr Lys Leu Glu Gly Trp Leu Ile Phe Pro Leu Phe Ser
1 5 10 15

Cys Phe Ser Phe Ile Ser Leu Gly Ser Asp Glu Gly Pro Glu Ile Phe
20 25 30

Ile Ser His Leu Lys Ser Leu Ala Asp Tyr Ser Arg Ala Leu Val Glu
35 40 45

Val

<210> 210

<211> 49

<212> PRT

<213> Homo sapiens

<400> 210

Met Arg Gln Thr Lys Leu Glu Gly Trp Leu Ile Phe Pro Leu Phe Ser
1 5 10 15

Cys Phe Ser Phe Ile Ser Leu Gly Ser Asp Glu Gly Pro Glu Ile Phe
20 25 30

Ile Ser His Leu Lys Ser Leu Ala Asp Tyr Ser Arg Ala Leu Val Glu
35 40 45

Val

<210> 211

<211> 489

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (321)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 211

Met Pro Gln Ala Ser Glu His Arg Leu Gly Arg Thr Arg Glu Pro Pro
1 5 10 15

Val Asn Ile Gln Pro Arg Val Gly Ser Lys Leu Pro Phe Ala Pro Arg
20 25 30

Ala Arg Ser Lys Glu Arg Arg Asn Pro Ala Ser Gly Pro Asn Pro Met
35 40 45

Leu Arg Pro Leu Pro Pro Arg Pro Gly Leu Pro Asp Glu Arg Leu Lys
50 55 60

Lys Leu Glu Leu Gly Arg Gly Arg Thr Ser Gly Pro Arg Pro Xaa Gly
65 70 75 80

Pro Leu Arg Ala Asp His Gly Val Pro Leu Pro Gly Ser Pro Pro Pro
85 90 95

Thr Val Ala Leu Pro Leu Pro Ser Arg Thr Asn Leu Ala Arg Ser Lys
100 105 110

Ser Val Ser Ser Gly Asp Leu Arg Pro Met Gly Ile Ala Leu Gly Gly
115 120 125

His	Arg	Gly	Thr	Gly	Glu	Leu	Gly	Ala	Ala	Leu	Ser	Arg	Leu	Ala	Leu			
	130					135					140							
Arg	Pro	Glu	Pro	Pro	Thr	Leu	Arg	Arg	Ser	Thr	Ser	Leu	Arg	Arg	Leu			
145					150					155					160			
Gly	Gly	Phe	Pro	Gly	Pro	Pro	Thr	Leu	Phe	Ser	Ile	Arg	Thr	Glu	Pro			
				165					170					175				
Pro	Ala	Ser	His	Gly	Ser	Phe	His	Met	Ile	Ser	Ala	Arg	Ser	Ser	Glu			
			180					185					190					
Pro	Phe	Tyr	Ser	Asp	Asp	Lys	Met	Ala	His	His	Thr	Leu	Leu	Leu	Gly			
		195					200					205						
Ser	Gly	His	Val	Gly	Leu	Arg	Asn	Leu	Gly	Asn	Thr	Cys	Phe	Leu	Asn			
	210					215					220							
Ala	Val	Leu	Gln	Cys	Leu	Ser	Ser	Thr	Arg	Pro	Leu	Arg	Asp	Phe	Cys			
225					230					235					240			
Leu	Arg	Arg	Asp	Phe	Arg	Gln	Glu	Val	Pro	Gly	Gly	Gly	Arg	Ala	Gln			
				245					250					255				
Glu	Leu	Thr	Glu	Ala	Phe	Ala	Asp	Val	Ile	Gly	Ala	Leu	Trp	His	Pro			
			260					265					270					
Asp	Ser	Cys	Glu	Ala	Val	Asn	Pro	Thr	Arg	Phe	Arg	Ala	Val	Phe	Gln			
		275					280					285						
Lys	Tyr	Val	Pro	Ser	Phe	Ser	Gly	Tyr	Ser	Gln	Gln	Asp	Ala	Gln	Glu			
	290					295					300							
Phe	Leu	Lys	Leu	Leu	Met	Glu	Arg	Leu	His	Leu	Glu	Ile	Asn	Arg	Arg			
305					310					315					320			
Xaa	Arg	Arg	Ala	Pro	Pro	Ile	Leu	Ala	Asn	Gly	Pro	Val	Pro	Ser	Pro			
				325					330					335				
Pro	Arg	Arg	Gly	Gly	Ala	Leu	Leu	Glu	Glu	Pro	Glu	Leu	Ser	Asp	Asp			
			340					345					350					
Asp	Arg	Ala	Asn	Leu	Met	Trp	Lys	Arg	Tyr	Leu	Glu	Arg	Glu	Asp	Ser			
		355					360					365						
Lys	Ile	Val	Asp	Leu	Phe	Val	Gly	Gln	Leu	Lys	Ser	Cys	Leu	Lys	Cys			
	370					375					380							
Gln	Ala	Cys	Gly	Tyr	Arg	Ser	Thr	Thr	Phe	Glu	Val	Phe	Cys	Asp	Leu			
385					390					395					400			
Ser	Leu	Pro	Ile	Pro	Lys	Lys	Gly	Phe	Ala	Gly	Gly	Lys	Val	Ser	Leu			

	405		410		415
Arg Asp Cys Phe Asn Leu Phe Thr Lys Glu Glu Glu Leu Glu Ser Glu					
	420		425		430
Asn Ala Pro Val Cys Asp Arg Cys Arg Gln Lys Thr Arg Ser Thr Lys					
	435		440		445
Lys Leu Thr Val Gln Arg Phe Pro Arg Ile Leu Val Leu His Leu Asn					
	450		455		460
Arg Phe Ser Ala Ser Arg Gly Ser Ile Lys Lys Ser Ser Val Gly Val					
465		470		475	480
Asp Phe Ser Thr Ala Ala Thr Glu Pro					
	485				

<210> 212
 <211> 463
 <212> PRT
 <213> Homo sapiens

<400> 212
Ala Arg Gly Thr Asn Leu Ala Arg Ser Lys Ser Val Ser Ser Gly Asp
1 5 10 15
Leu Arg Pro Met Gly Ile Ala Leu Gly Gly His Arg Gly Thr Gly Glu
20 25 30
Leu Gly Ala Ala Leu Ser Arg Leu Ala Leu Arg Pro Glu Pro Pro Thr
35 40 45
Leu Arg Arg Ser Thr Ser Leu Arg Arg Leu Gly Gly Phe Pro Gly Pro
50 55 60
Pro Thr Leu Phe Ser Ile Arg Thr Glu Pro Pro Ala Ser His Gly Ser
65 70 75 80
Phe His Met Ile Ser Ala Arg Ser Ser Glu Pro Phe Tyr Ser Asp Asp
85 90 95
Lys Met Ala His His Thr Leu Leu Leu Gly Ser Gly His Val Gly Leu
100 105 110
Arg Asn Leu Gly Asn Thr Cys Phe Leu Asn Ala Val Leu Gln Cys Leu
115 120 125
Ser Ser Thr Arg Pro Leu Arg Asp Phe Cys Leu Arg Arg Asp Phe Arg
130 135 140

Gln	Glu	Val	Pro	Gly	Gly	Gly	Arg	Ala	Gln	Glu	Leu	Thr	Glu	Ala	Phe	
145					150					155					160	
Ala	Asp	Val	Ile	Gly	Ala	Leu	Trp	His	Pro	Asp	Ser	Cys	Glu	Ala	Val	
				165					170					175		
Asn	Pro	Thr	Arg	Phe	Arg	Ala	Val	Phe	Gln	Lys	Tyr	Val	Pro	Ser	Phe	
			180					185					190			
Ser	Gly	Tyr	Ser	Gln	Leu	Asp	Ala	Gln	Glu	Phe	Leu	Lys	Leu	Leu	Met	
		195					200					205				
Glu	Arg	Leu	His	Leu	Glu	Ile	Asn	Arg	Arg	Asp	Arg	Arg	Ala	Pro	Pro	
	210					215					220					
Ile	Leu	Ala	Asn	Gly	Pro	Val	Pro	Ser	Pro	Pro	Arg	Arg	Gly	Gly	Ala	
225					230					235					240	
Leu	Leu	Glu	Glu	Pro	Glu	Leu	Ser	Asp	Asp	Asp	Arg	Ala	Asn	Leu	Met	
				245					250					255		
Trp	Lys	Arg	Tyr	Leu	Glu	Arg	Glu	Asp	Ser	Lys	Ile	Val	Asp	Leu	Phe	
			260					265					270			
Val	Gly	Gln	Leu	Lys	Ser	Cys	Leu	Lys	Cys	Gln	Ala	Cys	Gly	Tyr	Arg	
		275					280					285				
Ser	Thr	Thr	Phe	Glu	Val	Phe	Cys	Asp	Leu	Ser	Leu	Pro	Ile	Pro	Lys	
	290					295					300					
Lys	Gly	Phe	Ala	Gly	Gly	Lys	Val	Ser	Leu	Arg	Asp	Cys	Phe	Asn	Leu	
305					310					315					320	
Phe	Thr	Lys	Glu	Glu	Glu	Leu	Glu	Ser	Glu	Asn	Ala	Pro	Val	Cys	Asp	
				325					330					335		
Arg	Cys	Arg	Gln	Lys	Thr	Arg	Ser	Thr	Lys	Lys	Leu	Thr	Val	Gln	Arg	
			340					345					350			
Phe	Pro	Arg	Ile	Leu	Val	Leu	His	Leu	Asn	Arg	Phe	Ser	Ala	Ser	Arg	
		355					360					365				
Gly	Ser	Ile	Lys	Lys	Ser	Ser	Val	Gly	Val	Asp	Phe	Pro	Leu	Gln	Arg	
	370					375					380					
Leu	Ser	Leu	Gly	Asp	Phe	Ala	Ser	Asp	Lys	Ala	Gly	Ser	Pro	Val	Tyr	
385					390					395					400	
Gln	Leu	Tyr	Ala	Leu	Cys	Asn	His	Ser	Gly	Ser	Val	His	Tyr	Gly	His	
				405					410					415		
Tyr	Thr	Ala	Leu	Cys	Arg	Cys	Gln	Thr	Gly	Trp	His	Val	Tyr	Asn	Asp	

	420		425		430										
Ser	Arg	Val	Ser	Pro	Val	Ser	Glu	Asn	Gln	Val	Ala	Ser	Ser	Glu	Gly
		435					440					445			
Tyr	Val	Leu	Phe	Tyr	Gln	Leu	Met	Gln	Glu	Pro	Pro	Arg	Cys	Leu	
	450					455						460			

<210> 213
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 213															
Lys	Ile	Glu	Leu	Met	Val	Cys	Thr	Lys	Ser	Leu	Val	Tyr	Val	Leu	Val
1				5					10					15	
Phe	Gln	Asn	Asn	Phe	Tyr	Ile	Asn	Ile	Tyr	Ile	Val	Lys	Lys	Phe	Phe
			20					25					30		
Leu	Ile	Phe	Gly	Trp	Asp	Ile	Arg	Lys	Tyr	Leu	Tyr	Tyr	Thr	Leu	Ser
		35					40					45			
Tyr	Tyr	Asn	Gly	Thr											
	50														

<210> 214
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 214									
Leu	Leu	Ser	Cys	Phe	Tyr	Phe	Phe	Leu	
1				5					

<210> 215
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 215
 Met Leu Leu Leu Cys Tyr His Xaa Phe Leu Xaa Phe Val Leu Gly Thr
 1 5 10 15

 Gly Xaa Val Asn Ile Glu Glu Ala Glu Lys Leu Leu Lys Pro Tyr Leu
 20 25 30

 Asn Arg Tyr Pro Lys Gly Ala Ile Phe Leu Phe Phe Ala Gly Arg Ile
 35 40 45

 Glu Val Ile Lys Gly Asn Ile Asp Ala Ala Ile Arg Xaa Phe Glu Glu
 50 55 60

 Cys Cys
 65

<210> 216
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 216
 Met Leu Leu Leu Cys Tyr His Xaa Phe Leu Xaa Phe Val Leu Gly Thr
 1 5 10 15

 Gly Xaa Val Asn Ile Glu Glu Ala Glu Lys Leu Leu Lys Pro Tyr Leu
 20 25 30

 Asn Arg Tyr Pro Lys Gly Ala Ile Phe Leu Phe Phe Ala Gly Arg Ile
 35 40 45

 Glu Val Ile Lys Gly Asn Ile Asp Ala Ala Ile Arg Xaa Phe Glu Glu
 50 55 60

 Cys Cys
 65

<210> 217
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Tyr Lys Ile Thr Tyr Arg Val Cys Phe Leu Cys Gln Pro Leu Met
 1 5 10 15

 Val Gly Leu Gly Cys Ile Gly Ser Ile Ala Ile Val Leu Leu Leu Leu
 20 25 30

 Leu Leu Val Pro His Val Cys Pro Lys Ile Leu
 35 40

<210> 218
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Tyr Lys Ile Thr Tyr Arg Val Cys Phe Leu Cys Gln Pro Leu Met
 1 5 10 15

 Val Gly Leu Gly Cys Ile Gly Ser Ile Ala Ile Val Leu Leu Leu Leu
 20 25 30

Leu Leu Val Pro His Val Cys Pro Lys Ile Leu
 35 40

<210> 219
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 219
 Ala Pro Leu Ala Ala Ser Thr Ile Leu Ala Val Ala Ser Ala Arg Ile
 1 5 10 15
 Leu Ala Ala Leu Lys Ser Leu Arg Glu Phe Ser Arg Ser Leu Ser Pro
 20 25 30
 Ser Ala Ser Ala Leu Met Ala Leu Thr Arg Ser Asp Val Ala Trp Ala
 35 40 45
 Arg Met Arg Ala Cys Arg Thr Ile Ser Pro Ala Ser Pro Met Glu Leu
 50 55 60
 Lys Met Phe Ser Val Thr Val Arg Met Val Ser Val Ala Trp Ser
 65 70 75

<210> 220
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met Gly Thr Leu Met Val Leu Thr Arg Leu Ala Val Leu Leu Ala Thr
 1 5 10 15
 Ser Leu Ala Asp Cys Thr Asn Trp Arg Leu Ala Val Gly Leu Val Val
 20 25 30
 Arg Ala Glu Ala Arg Arg Gln Leu Leu His Ser Ala Glu Val Cys Leu
 35 40 45
 Ala Thr Met Val Ala Ala Glu Ser Thr Trp Ala Trp Val Gln Pro Gly
 50 55 60
 Ser Pro Lys Leu Trp Gln Ala Ile
 65 70

<210> 221

<211> 72
<212> PRT
<213> Homo sapiens

<400> 221

Met	Gly	Thr	Leu	Met	Val	Leu	Thr	Arg	Leu	Ala	Val	Leu	Leu	Ala	Thr
1				5					10					15	
Ser	Leu	Ala	Asp	Cys	Thr	Asn	Trp	Arg	Leu	Ala	Val	Gly	Leu	Val	Val
			20					25					30		
Arg	Ala	Glu	Ala	Arg	Arg	Gln	Leu	Leu	His	Ser	Ala	Glu	Val	Cys	Leu
		35					40					45			
Ala	Thr	Met	Val	Ala	Ala	Glu	Ser	Thr	Trp	Ala	Trp	Val	Gln	Pro	Gly
	50					55					60				
Ser	Pro	Lys	Leu	Trp	Gln	Ala	Ile								
65					70										

<210> 222
<211> 43
<212> PRT
<213> Homo sapiens

<400> 222

Met	Cys	Arg	Thr	Gln	Phe	His	Leu	Phe	Trp	Phe	Ile	Val	Thr	Glu	Leu
1				5					10					15	
Ser	Pro	Val	Ile	Trp	Ala	Lys	Ala	Asn	Gln	Lys	Leu	Ser	Cys	Leu	Ser
			20					25					30		
Gln	Gln	Thr	Leu	Val	Leu	Val	Tyr	Phe	Cys	Arg					
		35					40								

<210> 223
<211> 84
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 223

Phe Ser Ile Phe Lys Asn His Ile Ser Leu Cys Trp Leu Ile Ile Ile
1 5 10 15

Asn Phe Lys His Ser Phe Leu Gln Ser Gly Phe Ser Glu Phe Phe Phe
20 25 30

Phe Lys Gln Xaa Xaa His Ser Phe Phe Leu Val Thr Ser Lys Gly Gly
35 40 45

Thr Gly Val Gly Gly Lys Glu Cys Leu Lys Met Lys Ser Leu Asp Ile
50 55 60

Glu Gly Pro Arg Arg Thr Gly Tyr Ala Lys Ile Ile Ser Asn Ser Ser
65 70 75 80

Thr Ile Leu Glu

<210> 224

<211> 43

<212> PRT

<213> Homo sapiens

<400> 224

Met Cys Arg Thr Gln Phe His Leu Phe Trp Phe Ile Val Thr Glu Leu
1 5 10 15

Ser Pro Val Ile Trp Ala Lys Ala Asn Gln Lys Leu Ser Cys Leu Ser
20 25 30

Gln Gln Thr Leu Val Leu Val Tyr Phe Cys Arg
35 40

<210> 225

<211> 27

<212> PRT

<213> Homo sapiens

<400> 225

Pro His Cys Arg Trp Pro Gly Leu Tyr Arg Gln Leu Gly Arg Arg Arg
1 5 10 15

Arg Ser Thr Ala Leu Leu Arg Cys His Asn Val
20 25

<210> 226
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 226
 Met Arg Lys Arg Arg Pro Tyr Asn Arg Trp Thr Gly Cys Trp Leu Arg
 1 5 10 15
 Leu Ala Val Ser Cys Arg Trp Ala Val Ala Ile Ser Ala Ser Pro Trp
 20 25 30
 Leu Arg Leu Thr Ser
 35

<210> 227
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Arg Lys Arg Arg Pro Tyr Asn Arg Trp Thr Gly Cys Trp Leu Arg
 1 5 10 15
 Leu Ala Val Ser Cys Arg Trp Ala Val Ala Ile Ser Ala Ser Pro Trp
 20 25 30
 Leu Arg Leu Thr Ser
 35

<210> 228
 <211> 153
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 228
 Met Ala Ala Thr Gln Thr Gly Thr Cys Leu Met Val Ala Ala Leu Cys
 1 5 10 15
 Phe Val Leu Val Leu Gly Ser Leu Val Pro Cys Leu Pro Glu Phe Ser
 20 25 30

Ser Gly Ser Gln Thr Val Lys Glu Asp Pro Leu Ala Ala Asp Gly Val
 35 40 45
 Tyr Thr Ala Ser Gln Met Pro Ser Arg Ser Leu Leu Phe Tyr Asp Asp
 50 55 60
 Gly Ala Gly Leu Trp Glu Asp Gly Arg Ser Thr Leu Leu Pro Met Glu
 65 70 75 80
 Pro Pro Asp Gly Trp Glu Ile Asn Pro Gly Gly Pro Ala Glu Gln Arg
 85 90 95
 Pro Xaa Asp His Leu Gln His Asp His Leu Asp Ser Thr His Glu Thr
 100 105 110
 Thr Lys Tyr Leu Ser Glu Ala Trp Pro Lys Asp Gly Gly Asn Gly Thr
 115 120 125
 Ser Pro Asp Phe Ser His Ser Lys Glu Trp Phe His Asp Arg Asp Leu
 130 135 140
 Gly Pro Asn Thr Thr Ile Lys Leu Ser
 145 150

<210> 229
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Ala Ala Thr Gln Thr Gly Thr Cys Leu Met Val Ala Ala Leu Cys
 1 5 10 15
 Phe Val Leu Val Leu Gly Ser Leu Val Pro Cys Leu Pro Glu Phe Ser
 20 25 30
 Ser Gly Ser Gln Thr Val Lys Glu Asp Pro Leu Ala Ala Asp Gly Val
 35 40 45
 Tyr Thr Ala Ser Gln Met Pro Ser Arg Ser Leu Leu Phe Tyr Asp Asp
 50 55 60
 Gly Ala Gly Leu Trp Glu Asp Gly Arg Ser Thr Leu Leu Pro Met Glu
 65 70 75 80
 Pro Pro Asp Gly Trp Glu Ile Asn Pro Gly Gly Pro Ala Glu Gln Arg
 85 90 95
 Pro Arg Asp His Leu Gln His Asp His Leu Asp Ser Thr His Glu Thr

100	105	110
Thr Lys Tyr Leu Ser Glu Ala Trp Pro Lys Asp Gly Gly Asn Gly Thr		
115	120	125
Ser Pro Asp Phe Ser His Ser Lys Glu Trp Phe His Asp Arg Asp Leu		
130	135	140
Gly Pro Asn Thr Thr Ile Lys Leu Ser		
145	150	

<210> 230
 <211> 105
 <212> PRT
 <213> Homo sapiens

<400> 230
Met Cys Leu Thr Thr Ala Gly Phe Cys Leu Leu Ala Ile His Ser Phe
1 5 10 15
Ala Leu Gly Val Gln Ser Arg Gln Gln His Ser Val Pro Ile Val Phe
20 25 30
Glu Val Leu Pro Leu Arg Val Pro Glu Pro Ser Arg Val Thr Gly Cys
35 40 45
Ser Ser Phe Phe Gln Thr Lys Val Leu Cys Lys Gln His Leu Leu Gly
50 55 60
Pro Arg Ala Ser Val Asn Ile Val Leu Ala Cys Leu Ala Cys Cys His
65 70 75 80
Arg Lys Gly Leu Cys Val His Ile Pro Ala Asn Leu Met Ser Pro Ser
85 90 95
Ser Ala Lys Leu Tyr His Ser Leu His
100 105

<210> 231
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 231
Phe Cys Leu Ile Trp Ser Ala Tyr Leu Leu Met Cys Leu Phe Leu Phe
1 5 10 15
Cys Leu Phe Tyr Phe Tyr Phe Ser Val Asn Ala Arg Thr Asp Leu His

	20	25	30
Val Lys Ser Gly Leu			
35			
<210> 232			
<211> 105			
<212> PRT			
<213> Homo sapiens			
<400> 232			
Met Cys Leu Thr Thr Ala Gly Phe Cys Leu Leu Ala Ile His Ser Phe			
1 5 10 15			
Ala Leu Gly Val Gln Ser Arg Gln Gln His Ser Val Pro Ile Val Phe			
20 25 30			
Glu Val Leu Pro Leu Arg Val Pro Glu Pro Ser Arg Val Thr Gly Cys			
35 40 45			
Ser Ser Phe Phe Gln Thr Lys Val Leu Cys Lys Gln His Leu Leu Gly			
50 55 60			
Pro Arg Ala Ser Val Asn Ile Val Leu Ala Cys Leu Ala Cys Cys His			
65 70 75 80			
Arg Lys Gly Leu Cys Val His Ile Pro Ala Asn Leu Met Ser Pro Ser			
85 90 95			
Ser Ala Lys Leu Tyr His Ser Leu His			
100 105			

<210> 233
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 233
 Tyr Ser Pro Leu Cys
 1 5

<210> 234
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 234
 Met Ala Tyr Ser Pro Leu Leu Ile Ser Leu Val Leu Ala Phe Xaa Pro
 1 5 10 15

 Ala Ser Thr Tyr Gly Arg Ala Ser Ile Asp Phe Thr Cys Phe Pro Asn
 20 25 30

 His Tyr Gly Ile Ser Asn Gln Tyr
 35 40

 <210> 235
 <211> 160
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 235
 Phe Phe Asp Ser Ile Gly Ala Leu Val Pro Gln Phe Leu Ala Asn Asp
 1 5 10 15

 Asp Glu Leu Ser Ser His Thr Tyr Gly Leu Leu Val Asn Lys Asn Asn
 20 25 30

 His Leu Gly His Leu Ala Val Cys Ile Ser Gln Cys Ile Trp Gly Leu
 35 40 45

 Leu Ser Pro Cys Glu Leu Xaa Gly Ile Ser Leu Gly Ser Ile Ile Leu
 50 55 60

 Phe Cys Pro Thr Pro Cys Ser Met Gln Thr Pro Ser Pro Ala Cys Trp
 65 70 75 80

 Ser Pro Ser Gly Asn Pro Gly Leu Ala His Thr Leu Cys Trp Arg Ala
 85 90 95

 Cys Thr Leu Met Pro Leu Leu Arg Leu Gly Pro Tyr Leu Val Thr Leu
 100 105 110

 Phe Ala Leu Pro Ser Glu Thr Glu Gln Leu Ala Pro Ser Ala Leu Val
 115 120 125

Val Pro Cys Glu Ala Leu Leu Leu Ser Gly Phe Leu His Arg Asp Pro
 130 135 140

Cys Arg Leu Pro Ala Asp Met Gln Asp Ala Leu Leu Ser Val Asp Val
 145 150 155 160

<210> 236
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 236
 Met Ala Tyr Ser Pro Leu Leu Ile Ser Leu Val Leu Ala Phe Xaa Pro
 1 5 10 15

Ala Ser Thr Tyr Gly Arg Ala Ser Ile Asp Phe Thr Cys Phe Pro Asn
 20 25 30

His Tyr Gly Ile Ser Asn Gln Tyr
 35 40

<210> 237
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 237
 Met Glu Xaa Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro
 1 5 10 15
 Asp Thr Thr Gly Glu Ile Val Leu Thr Gln Ser Pro Xaa Thr Leu Ser
 20 25 30
 Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser
 35 40 45
 Val Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 50 55 60
 Arg Leu Leu Ile Tyr Xaa Ala Ser Xaa Arg Ala Thr Gly Ile Pro Xaa
 65 70 75 80
 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 85 90 95
 Xaa Leu Glu Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Xaa
 100 105 110

Asn	Trp	Pro	Pro	Xaa	Tyr	Thr	Phe	Gly	Xaa	Gly	Thr	Lys	Val	Glu	Ile
		115					120					125			
Lys	Arg	Thr	Val	Ala	Ala	Pro	Ser	Val	Phe	Ile	Phe	Pro	Pro	Ser	Asp
	130					135					140				
Glu	Gln	Leu	Lys	Ser	Gly	Thr	Ala	Ser	Val	Val	Cys	Leu	Leu	Asn	Asn
145					150					155					160
Phe	Tyr	Pro	Arg	Glu	Ala	Lys	Val	Gln	Trp	Lys	Val	Asp	Asn	Ala	Leu
				165					170					175	
Gln	Ser	Gly	Asn	Ser	Gln	Glu	Ser	Val	Thr	Glu	Gln	Asp	Ser	Lys	Asp
			180					185					190		
Ser	Thr	Tyr	Ser	Leu	Ser	Ser	Thr	Leu	Thr	Leu	Ser	Lys	Ala	Asp	Tyr
		195					200					205			
Glu	Lys	His	Lys	Val	Tyr	Ala	Cys	Glu	Val	Thr	His	Gln	Gly	Leu	Ser
	210					215					220				
Ser	Pro	Val	Thr	Lys	Ser	Phe	Asn	Arg	Gly	Glu	Cys				
225					230					235					

<210> 238
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 238															
Met	Arg	Val	Pro	Ala	Gln	Leu	Leu	Gly	Leu	Leu	Leu	Leu	Trp	Leu	Ser
1				5				10						15	
Gly	Ala	Lys	Cys	Asp	Thr	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Leu	Ser
			20					25					30		
Ala	Ser	Val	Gly	Asp	Thr	Val	Thr	Ile	Thr	Cys	Gln	Ala	Ser	Asp	Asp
		35					40					45			
Ile	Ser	Lys	Asp	Leu	Asn	Trp	Phe	Gln	Gln	Lys	Pro	Gly	Thr	Ala	Pro
	50					55					60				
Lys	Leu	Leu	Ile	Phe	Asp	Ala	Ser	Asn	Leu	Glu	Thr	Gly	Val	Pro	Ser
	65				70					75					80
Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Phe	Thr	Ile	Ser
				85					90					95	
Ser	Leu	Gln	Pro	Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Tyr	Asp

	100		105		110										
Asn	Pro	Pro	Ser	Leu	Ser	Ala	Glu	Gly	Pro	Lys	Trp	Arg	Ser	Asn	Glu
		115					120					125			
Leu	Trp	Leu	His	His	Leu	Ser	Ser	Ser	Ser	Arg	His	Leu	Met	Ser	Ser
	130					135					140				

<210> 239
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 239
 Val His Ala Xaa Thr Pro Phe Ala Gly Xaa Cys Phe Asp Pro Val Ser
 1 5 10 15

Leu Tyr Trp Cys Tyr Xaa Asn Pro Gly Thr His Cys Tyr Pro Thr Leu
 20 25 30

Arg Gly Xaa Glu Gln Arg Xaa Pro Ser Xaa Arg Ser His Ile Val Leu
 35 40 45

Arg Ser
 50

<210> 240
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 240
 Met Val Ser Pro Leu Ile Ser Ala Leu Phe His Val Pro Phe Leu Trp
 1 5 10 15

Leu Gly Met Phe Phe Pro His Ser Leu Ser Gly Pro Phe Pro Ser His
 20 25 30

Leu Arg Arg Ala Ser Ser Ser Arg Lys Pro Leu Val Lys Pro Pro Arg
 35 40 45

Ala Arg Gln Tyr Pro Pro Leu Ala Ser Ser Gly Tyr Arg Gly Arg Ile
 50 55 60

<210> 241
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 241
 Met Ser Phe Pro His Ala Ser Thr Leu Pro Phe His Lys Leu Ser Asp
 1 5 10 15

Leu Gln His Thr Leu Pro Asn His Gln Gly
 20 25

<210> 242
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 242

Met	Val	Ser	Pro	Leu	Ile	Ser	Ala	Leu	Phe	His	Val	Pro	Phe	Leu	Trp
1				5				10					15		

Leu	Gly	Met	Phe	Phe	Pro	His	Ser	Leu	Ser	Gly	Pro	Phe	Pro	Ser	His
		20						25					30		

Leu	Arg	Arg	Ala	Ser	Ser	Ser	Arg	Lys	Pro	Leu	Val	Lys	Pro	Pro	Arg
		35					40					45			

Ala	Arg	Gln	Tyr	Pro	Pro	Leu	Ala	Ser	Ser	Gly	Tyr	Arg	Gly	Arg	Ile
	50					55					60				

<210> 243

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243

Phe	Asn	Phe	Lys	Phe	Ala	His	Arg	Pro	Ser	Asn	Pro	Leu	Val	Asn	Leu
1				5				10					15		

Thr	Val	Ser	Pro	Xaa	Arg	Asn	Ser	Ser	Leu	Xaa	Thr	Arg	Lys	Xaa	Pro
			20					25					30		

Cys	Arg	Glu	Ser	Lys	Lys	Phe	Asn	Thr	His	Ser	Arg	Pro	Lys	Ser	Ser
		35					40				45				

His	Gln	Leu	Arg	Lys	Arg	Ser	Ser	Ser	Thr	Pro	Thr	Thr
	50					55					60	

<210> 244
<211> 56
<212> PRT
<213> Homo sapiens

<400> 244
Met Leu Ile Phe Leu Lys Cys Leu Thr Val Ser Tyr Ala Lys Tyr Ser
1 5 10 15
Ser Lys Ile Tyr Thr Ala Val Ser Asn Thr Phe Ser Thr Ala Ser Asp
20 25 30
Ser Trp Leu Cys Val Lys Thr Pro Arg Gly Tyr His Trp Phe Met Ser
35 40 45
Leu Glu Thr Pro Asp Ile Glu Gln
50 55

<210> 245
<211> 10
<212> PRT
<213> Homo sapiens

<400> 245
Val Leu Leu Phe Leu Ser Leu Leu Thr Ser
1 5 10

<210> 246
<211> 56
<212> PRT
<213> Homo sapiens

<400> 246
Met Leu Ile Phe Leu Lys Cys Leu Thr Val Ser Tyr Ala Lys Tyr Ser
1 5 10 15
Ser Lys Ile Tyr Thr Ala Val Ser Asn Thr Phe Ser Thr Ala Ser Asp
20 25 30
Ser Trp Leu Cys Val Lys Thr Pro Arg Gly Tyr His Trp Phe Met Ser
35 40 45
Leu Glu Thr Pro Asp Ile Glu Gln
50 55

<210> 247
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 247
 Glu Asp Met Pro Arg Arg Lys Glu Glu Leu Thr Asp Tyr Gln Lys Lys
 1 5 10 15
 Lys Val Ile Leu Gln Asn Leu Lys His Ser Leu Phe Leu Ser Leu Leu
 20 25 30
 Ser His Tyr Phe Tyr Ser Asn Pro Leu Glu Tyr Leu His Phe Ala Ser
 35 40 45
 Glu Gln Arg Asp Lys Phe Phe Ser His His Val Cys Thr Gly Val Val
 50 55 60
 Leu Ile Leu Asp Ile Ala Gly Thr Asn Phe Ser
 65 70 75

<210> 248
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 248
 Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu Lys
 1 5 10 15
 Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala Arg
 20 25 30
 Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu Ser
 35 40 45
 Arg Tyr Gly Arg Met Ser Ser
 50 55

<210> 249
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 249
 Met Ile Tyr Phe Ala Leu Leu Leu Ala Ser Leu Phe Phe Leu Leu Lys
 1 5 10 15

Val Lys Ser His Phe Gly Cys Lys Asn Val Thr Thr Thr Ser Ala Arg
20 25 30

Ile Phe Leu Lys Pro Leu Cys Thr Pro Lys Ser Ile Phe Pro Leu Ser
35 40 45

Arg Tyr Gly Arg Met Ser Ser
50 55

<210> 250
<211> 85
<212> PRT
<213> Homo sapiens

<400> 250
Met Leu His Asn Ala Phe Leu Phe Val Leu Phe Ala Leu Val Ser Gly
1 5 10 15

Tyr Gly Asn Tyr Ala Ala Thr Ala His Asp Trp Leu Tyr Glu Asn Gly
20 25 30

Gln Leu Ser Arg Lys Glu Ala Asp Ala Val Leu Tyr Arg Ala Leu Arg
35 40 45

Ala Glu Gly Val Ala Arg Trp Arg Ala Trp Leu Met Tyr Ala Gly Val
50 55 60

Arg Leu Gly Gly Ala Lys Gln Tyr Lys Thr Pro Thr Ser Ser Gly Phe
65 70 75 80

Ser Ser Ser Gly Asp
85

<210> 251
<211> 85
<212> PRT
<213> Homo sapiens

<400> 251
Met Leu His Asn Ala Phe Leu Phe Val Leu Phe Ala Leu Val Ser Gly
1 5 10 15

Tyr Gly Asn Tyr Ala Ala Thr Ala His Asp Trp Leu Tyr Glu Asn Gly
20 25 30

Gln Leu Ser Arg Lys Glu Ala Asp Ala Val Leu Tyr Arg Ala Leu Arg
35 40 45

Ala Glu Gly Val Ala Arg Trp Arg Ala Trp Leu Met Tyr Ala Gly Val
50 55 60

Arg Leu Gly Gly Ala Lys Gln Tyr Lys Thr Pro Thr Ser Ser Gly Phe
65 70 75 80

Ser Ser Ser Gly Asp
85

<210> 252

<211> 59

<212> PRT

<213> Homo sapiens

<400> 252

Met Ile Ile Ala Asn Ile Phe Met Asn Pro Leu Leu Cys Ala Gly Tyr
1 5 10 15

Leu Phe Cys Phe Ala Tyr Thr Leu Ile His Leu Ile Leu Leu Thr Thr
20 25 30

Ser Glu Val Cys Ser Ile Thr Ala Pro Phe Phe Thr Ala Val Leu Gln
35 40 45

Ser Ser Ala Cys Pro Ser Thr His Trp Pro Glu
50 55

<210> 253

<211> 59

<212> PRT

<213> Homo sapiens

<400> 253

Met Ile Ile Ala Asn Ile Phe Met Asn Pro Leu Leu Cys Ala Gly Tyr
1 5 10 15

Leu Phe Cys Phe Ala Tyr Thr Leu Ile His Leu Ile Leu Leu Thr Thr
20 25 30

Ser Glu Val Cys Ser Ile Thr Ala Pro Phe Phe Thr Ala Val Leu Gln
35 40 45

Ser Ser Ala Cys Pro Ser Thr His Trp Pro Glu
50 55

<210> 254
<211> 67
<212> PRT
<213> Homo sapiens

<400> 254
Met Leu Phe Leu Ile Tyr Val Ser Leu Leu Met Leu Leu Phe Ser Leu
1 5 10 15
Cys Leu Ser Leu Pro His Leu Gln Pro Pro Ser Leu Arg Glu Ile Leu
20 25 30
Ile Pro Val His Ser Leu Arg Phe Ser Leu Val Ser Pro Leu His Gly
35 40 45
Ser Leu Ala Ser Ser Leu Leu Leu Gln His Cys Gly Thr Leu Arg Gln
50 55 60
Val Phe Phe
65

<210> 255
<211> 67
<212> PRT
<213> Homo sapiens

<400> 255
Met Leu Phe Leu Ile Tyr Val Ser Leu Leu Met Leu Leu Phe Ser Leu
1 5 10 15
Cys Leu Ser Leu Pro His Leu Gln Pro Pro Ser Leu Arg Glu Ile Leu
20 25 30
Ile Pro Val His Ser Leu Arg Phe Ser Leu Val Ser Pro Leu His Gly
35 40 45
Ser Leu Ala Ser Ser Leu Leu Leu Gln His Cys Gly Thr Leu Arg Gln
50 55 60
Val Phe Phe
65

<210> 256
<211> 86
<212> PRT
<213> Homo sapiens

<400> 256

Ser	Leu	Lys	His	Phe	Trp	Ser	Gln	Gly	Phe	Trp	Ile	Lys	Asp	Thr	Gln
1				5					10					15	
Cys	Ala	Thr	Cys	Arg	Met	Val	Val	Ala	Arg	Trp	Glu	Glu	Arg	Met	Glu
			20					25					30		
Ser	Tyr	Cys	Leu	Met	Ile	Gln	Cys	Phe	Arg	Leu	Gly	Arg	Trp	Lys	Val
		35				40						45			
Leu	Glu	Met	Cys	Asp	Gly	Tyr	Gly	Cys	Ala	Thr	Met	Gly	Arg	Tyr	Leu
	50					55					60				
Val	Leu	Leu	Asn	Cys	Ala	His	Leu	Lys	Met	Val	Lys	Met	Ile	Asn	Phe
65					70					75					80
Val	Tyr	Val	Leu	Lys	Gln										
				85											

<210> 257
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

Met	Gln	Arg	Leu	Gly	Lys	Ala	Pro	Gly	Thr	Trp	Gln	Ala	Ile	Ser	Lys
1				5					10					15	
Cys	Trp	Leu	Leu	Leu	Leu	Leu	Ser	Leu	Pro	Phe	Ser	Gln	Ser	Ile	Ile
			20					25					30		
Ile	Ser	Leu	Xaa	Xaa	Gly	Thr	Met	Ser	Tyr	Leu	Pro	Leu	Tyr	Phe	Pro
		35					40					45			
Gln	Tyr	Phe	Pro												
	50														

<210> 258
 <211> 52

<212> PRT
<213> Homo sapiens

<400> 258

Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser Lys
1 5 10 15

Cys Trp Leu Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser Ile Ile
20 25 30

Ile Ser Leu Arg Ala Gly Thr Met Ser Tyr Leu Pro Leu Tyr Phe Pro
35 40 45

Gln Tyr Phe Pro
50

<210> 259

<211> 20

<212> PRT

<213> Homo sapiens

<400> 259

Met Leu Cys Val Leu Leu Ala Val Ala Phe Gln Ser Ser Pro Ile Pro
1 5 10 15

Gly Ala Ala Ala
20

<210> 260

<211> 69

<212> PRT

<213> Homo sapiens

<400> 260

Met Ala Leu Phe Arg Pro Ile Leu Leu Pro Ala Pro Gly Ala Trp Trp
1 5 10 15

Trp Pro Cys His His Ala Leu Cys Pro Ser Gly Cys Gly Phe Pro Glu
20 25 30

Gln Pro His Ser Arg Cys Ser Ser Leu Glu Leu Gln Ser Ala Ser Arg
35 40 45

Gln Cys Trp Leu Gln Trp Leu Gly Asp Ile Arg Pro Leu Leu Leu Gln
50 55 60

Gly Arg Glu Val Thr
65

<210> 261
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 261
 Met Gly Leu Ile Ala Ala Asp Val Asn Leu Asp Leu Leu Val Gln Val
 1 5 10 15
 Val Pro Ala Ser Cys Leu His Cys Gly Val Thr Ile Phe Pro Phe Pro
 20 25 30
 His Xaa Ile His Gln Lys Pro Val Thr Lys Arg Gly Gln Thr Pro Gly
 35 40 45
 Gln Gly Asn
 50

<210> 262
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 262
 Met Gly Leu Ile Ala Ala Asp Val Asn Leu Asp Leu Leu Val Gln Val
 1 5 10 15
 Val Pro Ala Ser Cys Leu His Cys Gly Val Thr Ile Phe Pro Phe Pro
 20 25 30
 His Phe Ile His Gln Lys Pro Val Thr Lys Arg Gly Gln Thr Pro Gly
 35 40 45
 Gln Gly Asn
 50

<210> 263
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 263

Ser Cys Ile Ser Trp Val Phe Val Met Ile Asn Gly Leu
1 5 10

<210> 264

<211> 61

<212> PRT

<213> Homo sapiens

<400> 264

Met Asn Ala Ser Leu Ile Ser Trp Val Leu Val Leu His Arg Ile Cys
1 5 10 15

Leu Gly Leu Ser Asp Ile Pro Lys Glu Asn Cys Ile Ile Thr Ile Ser
20 25 30

Gly Met Gln Leu Ser His His Gly Gln Ser Leu Gly Lys Trp Ala Glu
35 40 45

Lys Leu His Val Phe Tyr Ser Leu Phe Ser Phe Leu Leu
50 55 60

<210> 265

<211> 322

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265

Arg Ala Pro Arg Arg Thr Gly Pro Ala Ser Phe Ser Ser Arg Pro Ala
1 5 10 15

Gly Thr Cys Ser Asp Asn Arg Val Thr Ser Phe Xaa Asp Leu Ile His
20 25 30

Asp Gln Asp Glu Asp Glu Glu Glu Glu Gly Gln Arg Phe Tyr Ala
35 40 45

Gly Gly Ser Glu Arg Ser Gly Gln Gln Ile Val Gly Pro Pro Arg Lys
50 55 60

Lys Ser Pro Asn Glu Leu Val Asp Asp Leu Phe Lys Gly Ala Lys Glu
65 70 75 80

His Gly Ala Val Ala Val Glu Arg Val Thr Lys Ser Pro Gly Glu Thr
 85 90 95
 Ser Lys Pro Arg Pro Phe Ala Gly Gly Gly Tyr Arg Leu Gly Ala Ala
 100 105 110
 Pro Glu Glu Glu Ser Ala Tyr Val Ala Gly Glu Lys Arg Gln His Ser
 115 120 125
 Ser Gln Asp Val His Val Val Leu Lys Leu Trp Lys Ser Gly Phe Ser
 130 135 140
 Leu Asp Asn Gly Glu Leu Arg Ser Tyr Gln Asp Pro Ser Asn Ala Gln
 145 150 155 160
 Phe Leu Glu Ser Ile Arg Arg Gly Glu Val Pro Ala Glu Leu Arg Arg
 165 170 175
 Leu Ala His Gly Gly Gln Val Asn Leu Asp Met Glu Asp His Arg Asp
 180 185 190
 Glu Asp Phe Val Lys Pro Lys Gly Ala Phe Lys Ala Phe Thr Gly Glu
 195 200 205
 Gly Gln Lys Leu Gly Ser Thr Ala Pro Gln Val Leu Ser Thr Ser Ser
 210 215 220
 Pro Ala Gln Gln Ala Glu Asn Glu Ala Lys Ala Ser Ser Ser Ile Leu
 225 230 235 240
 Ile Asp Glu Ser Glu Pro Thr Thr Asn Ile Gln Ile Arg Leu Ala Asp
 245 250 255
 Gly Gly Arg Leu Val Gln Lys Phe Asn His Ser His Arg Ile Ser Asp
 260 265 270
 Ile Arg Leu Phe Ile Val Asp Ala Arg Pro Ala Met Ala Ala Thr Ser
 275 280 285
 Phe Ile Leu Met Thr Thr Phe Pro Asn Lys Glu Leu Ala Asp Glu Ser
 290 295 300
 Gln Thr Leu Lys Glu Ala Asn Leu Leu Asn Ala Val Ile Val Gln Arg
 305 310 315 320
 Leu Thr

<210> 266

<211> 61
<212> PRT
<213> Homo sapiens

<400> 266
Met Asn Ala Ser Leu Ile Ser Trp Val Leu Val Leu His Arg Ile Cys
1 5 10 15
Leu Gly Leu Ser Asp Ile Pro Lys Glu Asn Cys Ile Ile Thr Ile Ser
20 25 30
Gly Met Gln Leu Ser His His Gly Gln Ser Leu Gly Lys Trp Ala Glu
35 40 45
Lys Leu His Val Phe Tyr Ser Leu Phe Ser Phe Leu Leu
50 55 60

<210> 267
<211> 4
<212> PRT
<213> Homo sapiens

<400> 267
Pro Asn Ser Pro
1

<210> 268
<211> 64
<212> PRT
<213> Homo sapiens

<400> 268
Met Asp Pro Lys Leu Pro Val Ile Thr Ile Ile Ile Ile Ile Ala
1 5 10 15
Tyr Ala Phe Val Glu Pro Leu Leu Cys Thr Trp Pro Val Thr Gly Thr
20 25 30
Leu Ser Val Thr Gln Met Gln Val Ser His Leu Thr Leu Ala Ser Thr
35 40 45
Leu Arg Asp Gly Phe Tyr Gln His Pro His Phe Thr Asp Glu Glu Asn
50 55 60

<210> 269
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 269
 Met Asp Pro Lys Leu Pro Val Ile Thr Ile Ile Ile Ile Ile Ala
 1 5 10 15
 Tyr Ala Phe Val Glu Pro Leu Leu Cys Thr Trp Pro Val Thr Gly Thr
 20 25 30
 Leu Ser Val Thr Gln Met Gln Val Ser His Leu Thr Leu Ala Ser Thr
 35 40 45
 Leu Arg Asp Gly Phe Tyr Gln His Pro His Phe Thr Asp Glu Glu Asn
 50 55 60

<210> 270
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 270
 Met Val Ser Leu Cys Ser Gly Leu Pro Ser Ser Cys Leu Leu Leu Gly
 1 5 10 15
 Ser Thr Ala Ala Ile Ile Gln Arg Gln Val Cys Leu Phe Gln Gly Ala
 20 25 30
 Arg Gln Trp Asn Pro Val Ser Glu Phe Leu Arg Ala His His His Cys
 35 40 45
 Gly Asn Arg Ala Gly Leu Pro Ala Val Leu
 50 55

<210> 271
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 271
 Met Val Ser Leu Cys Ser Gly Leu Pro Ser Ser Cys Leu Leu Leu Gly
 1 5 10 15

Ser Thr Ala Ala Ile Ile Gln Arg Gln Val Cys Leu Phe Gln Gly Ala
20 25 30

Arg Gln Trp Asn Pro Val Ser Glu Phe Leu Arg Ala His His His Cys
35 40 45

Gly Asn Arg Ala Gly Leu Pro Ala Val Leu
50 55

<210> 272

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 272

Lys Ala Pro Ser Ser His Pro Gly Leu Thr Cys Val Ser Leu Ser Arg
1 5 10 15

Leu Gln Xaa Ser Leu Ser Leu Cys Phe Pro Ser Gly Pro Cys Trp Ala
20 25 30

Gly Leu Leu Ser Ser Leu Ala Leu Ala Gly Gly Ala Pro Gly Ala Leu
35 40 45

Pro Pro Trp Gln Pro Gly Gln Asp Ser Lys Met Arg Thr Ala Glu Leu
50 55 60

Val Gly Gly Ser His Gly Pro Ala Xaa Gly Pro Gly Glu Ala Glu Pro
65 70 75 80

Glu Pro Thr Ala Val Val Leu Trp Thr Val Asp Pro Glu Gly Gly Leu
85 90 95

Gly Gln Val Pro Ala Glu Gly Pro Gly Gly Leu Cys Val Pro Leu Gly
100 105 110

Pro Gly Ala Leu Val Thr Trp Thr Pro Gly
115 120

<210> 273
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 273
 Ser Thr Cys Cys Gly Trp Gly Pro Leu Gly His Ser Arg Val Arg Gly
 1 5 10 15
 Cys His Cys His Leu Gly His Val Gly Arg His Gln His Phe Val Val
 20 25 30
 Thr Asn Ser Thr Val Thr Asn Ile Phe Gly Gln Ile Pro Phe Tyr Thr
 35 40 45
 Ser Arg Gln Leu Leu Val Cys Asn Pro Thr Gly Gln Arg Glu Gly Pro
 50 55 60
 Val Thr Trp Leu Ser His Cys Pro Ala Pro Gln Met Val Leu Gly Leu
 65 70 75 80
 Leu Phe Ser Leu Gly Pro Ala Asn Thr Thr Val Phe Thr Ser Ala His
 85 90 95
 Trp Leu Ser Ala Val Val Pro Gly Ser Gln Trp His Val Ser Pro Arg
 100 105 110
 Ser Ser Leu Ile Pro Gln His Thr Pro Lys Gly Ser Val Ala Asn Thr
 115 120 125
 Leu Asn
 130

<210> 274
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 274
 Met Arg Leu Arg Asn Gly Thr Val Ala Thr Ala Leu Ala Phe Ile Thr
 1 5 10 15
 Ser Phe Leu Thr Leu Ser Trp Tyr Thr Thr Trp Gln Asn Gly Lys Gly
 20 25 30
 Lys Glu Asn Asp Ser Glu Asn Val His Glu Met Tyr
 35 40

<210> 275
 <211> 216
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 275
 Cys Phe Pro Trp Gly Xaa Ala Leu Arg Gln Lys Leu Phe Pro Ser Ala
 1 5 10 15
 Leu Xaa Ala Leu Val Pro Ser Gly Ala Gln Pro Leu Pro Ala Thr Lys
 20 25 30
 Asp Thr Val Leu Ala Pro Leu Arg Met Ser Gln Val Arg Ser Leu Val
 35 40 45
 Ile Gly Leu Gln Asn Leu Leu Val Gln Lys Asp Pro Leu Leu Ser Gln
 50 55 60
 Ala Cys Val Gly Cys Leu Glu Ala Leu Leu Asp Tyr Leu Asp Ala Arg
 65 70 75 80
 Ser Pro Asp Ile Ala Leu His Val Ala Ser Gln Pro Trp Asn Arg Phe
 85 90 95
 Leu Leu Phe Thr Leu Leu Asp Ala Gly Glu Asn Ser Phe Leu Arg Pro
 100 105 110
 Glu Ile Leu Arg Leu Met Thr Leu Phe Met Arg Tyr Arg Ser Ser Ser
 115 120 125
 Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val Ala Leu
 130 135 140
 Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu His Gly
 145 150 155 160
 Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His Ser Met
 165 170 175
 Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser Thr Ser

	180		185		190
Ser	Gly	Gln	Pro	Pro	Leu
	195				Gln
			Asp	Met	Leu
			200		Cys
					Leu
					Gly
					205
					Gly
					Val
					Ala
Val	Ser	Leu	Ser	His	Ile
	210				Arg
					Asn
					215

<210> 276
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 276															
Met	Leu	Ala	Leu	Thr	Leu	Ala	Lys	Ala	Asp	Ser	Pro	Arg	Thr	Ala	Leu
1				5					10					15	

Leu	Cys	Ser	Ala	Trp	Leu	Leu	Thr	Ala	Ser	Phe	Ser	Ala	Gln	Gln	His
			20					25					30		

Lys	Gly	Ser	Leu	Gln	Val	His	Gln	Thr	Leu	Ser	Val	Glu	Met	Asp	Gln
		35					40					45			

Val	Leu	Lys	Ala	Leu	Ser	Phe	Pro	Lys	Lys	Lys	Ala	Ala	Leu	Leu	Ser
	50					55					60				

Thr	Ala	Ile	Leu	Cys	Phe	Leu	Arg	Thr	Ala	Leu	Arg	Gln	Ser	Phe	Ser
65					70					75				80	

Ser	Ala	Trp	Asn	Pro	Gly	Ala	Leu	Lys	Gly	Pro	Xaa	Thr	Ala	Ala	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

				85					90					95			
Lys	Asp	Thr	Xaa	Leu	Thr	Ser	Leu	Arg	Met	Ser	Lys	Xaa	Gly	Pro	Gly		
			100					105					110				
His	Trp	Ala	Xaa	Lys	Thr	Ser	Trp	Cys	Lys								
		115					120										
<210> 277																	
<211> 282																	
<212> PRT																	
<213> Homo sapiens																	
<400> 277																	
Met	Leu	Ala	Leu	Thr	Leu	Ala	Lys	Ala	Asp	Ser	Pro	Arg	Thr	Ala	Leu		
1				5					10					15			
Leu	Cys	Ser	Ala	Trp	Leu	Leu	Thr	Ala	Ser	Phe	Ser	Ala	Gln	Gln	His		
			20					25					30				
Lys	Gly	Ser	Leu	Gln	Val	His	Gln	Thr	Leu	Ser	Val	Glu	Met	Asp	Gln		
		35					40					45					
Val	Leu	Lys	Ala	Leu	Ser	Phe	Pro	Lys	Lys	Lys	Ala	Ala	Leu	Leu	Ser		
	50					55					60						
Ala	Ala	Ile	Leu	Cys	Phe	Leu	Arg	Thr	Ala	Leu	Arg	Gln	Ser	Phe	Ser		
65					70					75					80		
Ser	Ala	Leu	Val	Ala	Leu	Val	Pro	Ser	Gly	Ala	Gln	Pro	Leu	Pro	Ala		
				85					90					95			
Thr	Lys	Asp	Thr	Val	Leu	Ala	Pro	Leu	Arg	Met	Ser	Gln	Val	Arg	Ser		
			100					105					110				
Leu	Val	Ile	Gly	Leu	Gln	Asn	Leu	Leu	Val	Gln	Lys	Asp	Pro	Leu	Leu		
	115						120					125					
Ser	Gln	Ala	Cys	Val	Gly	Cys	Leu	Glu	Ala	Leu	Leu	Asp	Tyr	Leu	Asp		
	130					135						140					
Ala	Arg	Ser	Pro	Asp	Ile	Ala	Leu	His	Val	Ala	Ser	Gln	Pro	Trp	Asn		
145					150					155					160		
Arg	Phe	Leu	Leu	Phe	Thr	Leu	Leu	Asp	Ala	Gly	Glu	Asn	Ser	Phe	Leu		
				165					170					175			
Arg	Pro	Glu	Ile	Leu	Arg	Leu	Met	Thr	Leu	Phe	Met	Arg	Tyr	Arg	Ser		
			180					185					190				

Ser Ser Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val
 195 200 205

Ala Leu Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu
 210 215 220

His Gly Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His
 225 230 235 240

Ser Met Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser
 245 250 255

Thr Ser Ser Gly Gln Pro Pro Leu Gln Asp Met Leu Cys Leu Gly Gly
 260 265 270

Val Ala Val Ser Leu Ser His Ile Arg Asn
 275 280

<210> 278

<211> 39

<212> PRT

<213> Homo sapiens

<400> 278

Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15

Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30

Leu Leu Ile Leu Asp Leu Glu
 35

<210> 279

<211> 39

<212> PRT

<213> Homo sapiens

<400> 279

Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15

Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30

Leu Leu Ile Leu Asp Leu Glu
 35

<210> 280
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 280
 Gly Leu Asp Val Gln Pro Val Ala Gln Gly Ser Lys Leu Thr Gln Glu
 1 5 10 15
 Val Arg Glu Gly Cys Leu Ala Val Ala Gly Ala Asn Gly Phe Arg Gly
 20 25 30
 Gly Tyr Asp Gly Tyr Arg Pro Ser Phe Ser Asn Thr Pro Asn Ser Gly
 35 40 45
 Tyr Thr Gln Ser Gln Phe Ser Ala Pro Arg Asp Tyr Ser Gly Tyr Gln
 50 55 60
 Arg Asp Gly Tyr Gln Gln Asn Phe Lys Arg Gly Ser Gly Gln Ser Gly
 65 70 75 80
 Pro Arg Gly Ala Pro Arg Gly Arg Gly Gly Pro Pro Arg Pro Asn Arg
 85 90 95
 Gly Met Pro Gln Met Asn Thr Gln Gln Val Asn
 100 105

<210> 281
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Gly Thr His Pro Lys Tyr Leu Glu Met Met Glu Leu Asp Ile Gly
 1 5 10 15
 Asp Ala Thr Gln Val Tyr Val Ala Phe Leu Val Tyr Leu Asp Leu Met
 20 25 30
 Glu Ser Lys Ser Trp His Glu Val Asn Cys Val Gly Leu Pro Glu Leu
 35 40 45
 Gln Leu Ile Cys Leu Val Gly Thr Glu Ile Glu Gly Glu Gly Leu Gln
 50 55 60
 Thr Val Val Pro Asn Pro His His Cys Phe Pro Gln Pro
 65 70 75

<210> 282

<211> 49

<212> PRT

<213> Homo sapiens

<400> 282

Met Gly Gly Thr Cys Val Leu Leu Leu Ser Ser His Thr Gln Ser Cys
1 5 10 15

Leu Phe Val Ser Cys Cys His Cys Gln Leu Ile Val Glu Thr Ala Ile
20 25 30

Ser Phe Ser Tyr Ser Ala Leu Pro Ser Ala Phe Trp Pro Leu Gln Leu
35 40 45

Pro

<210> 283

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 283

Met Asn Phe Leu Val Phe Leu Ser Leu Ser Ser Ser Leu Val Ser Ala
1 5 10 15

Ala Gly Pro Arg Phe Pro Ser Arg Glu Glu Arg Gly Val Gly Gly Val
20 25 30

Val Leu Ile Lys Ser Glu Asp Met Thr Leu Xaa Glu Arg Ser Lys Gly
35 40 45

Ser Xaa
50

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<210> 284
<211> 240
<212> PRT
<213> Homo sapiens
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<400> 284

Tyr Ser Gly His His Pro Gln Pro Ala Ser Phe Cys Thr Phe Gly Ser
20 25 30

Leu Arg Cys Ala Leu Asn Leu Met Val Glu Lys His Leu Asn Ala Gln
50 55 60

Thr Arg Ile Pro His Arg Thr Asn Ser Val Pro Thr Ser Gln Cys Gly
85 90 95

Ser Ser Thr Cys Ile Ser Pro Asn Ser Lys Ser Val Pro Ala His Gly
115 120 125

Cys Ser Met Gln Ser Arg Gln Val Ser Ser Ser Ser Ser Pro Ser
145 150 155 160

Pro Gln Lys Leu Lys Ser Ser Lys Ser Leu Arg Pro Lys Glu Ser Ser
180 185 190

Ser Gly Lys Lys Arg Lys Asn Ser Ser Pro Leu Leu Val His Ser Ser
210 215 220

Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	Ser	His	Ser	Met	Gly	Val	Phe
225						230					235					240

<210> 285
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 285																
Tyr	Ser	Met	Val	Tyr	Met	Xaa	His	Ile	Phe	Leu	Ile	Gln	Ser	Ile	Ile	
1					5				10					15		
Asp	Gly	His	Leu	Gly	Trp	Phe	Gln	Val	Phe	Ala	Ile	Val	Asn	Ser	Ala	
			20					25					30			

Thr	Val	Asn	Ile	Arg	Val	His	Val	Ser	Leu	Trp	
		35					40				

<210> 286
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 286

Phe Ala Xaa Xaa Asp Gly Phe Gln Leu His Pro Cys Pro Xaa Lys Gly
1 5 10 15

His Glu Leu Ile Xaa Phe Tyr Gly Cys Ile Val Phe His Gly Val Tyr
20 25 30

Val Pro His Phe Leu Asn Leu Val Cys His Cys Trp Thr Phe Gly Leu
35 40 45

Val Pro Ser Leu Cys Tyr Cys Glu
50 55

<210> 287

<211> 75

<212> PRT

<213> Homo sapiens

<400> 287

Met Ser Trp Leu Phe Pro Ala Thr Ile Leu Phe Glu Glu Lys Ile Cys
1 5 10 15

Phe Ser Leu Phe Pro Arg Lys Leu Val Gly Gln His Gly His Tyr Ser
20 25 30

Ser Cys Ala Val Thr Pro Ala Pro Arg Cys Leu Glu Leu Ser Val Leu
35 40 45

Thr Phe Met His Asp Cys Lys Ala Ser Trp Ser Ile Phe Tyr Gly Ala
50 55 60

Ser Val Cys Phe Arg Pro Met Thr Phe Val Arg
65 70 75

<210> 288

<211> 75

<212> PRT

<213> Homo sapiens

<400> 288

Met Ser Trp Leu Phe Pro Ala Thr Ile Leu Phe Glu Glu Lys Ile Cys
1 5 10 15

Phe Ser Leu Phe Pro Arg Lys Leu Val Gly Gln His Gly His Tyr Ser

	20		25		30										
Ser	Cys	Ala	Val	Thr	Pro	Ala	Pro	Arg	Cys	Leu	Glu	Leu	Ser	Val	Leu
	35				40					45					
Thr	Phe	Met	His	Asp	Cys	Lys	Ala	Ser	Trp	Ser	Ile	Phe	Tyr	Gly	Ala
	50				55					60					
Ser	Val	Cys	Phe	Arg	Pro	Met	Thr	Phe	Val	Arg					
	65				70					75					

<210> 289
 <211> 83
 <212> PRT
 <213> Homo sapiens

Ile	Val	Leu	Lys	Tyr	Ile	Met	Ala	Gly	Cys	Pro	Leu	Phe	Leu	Gly	Asn
1			5					10					15		
Leu	Trp	Asp	Val	Thr	Asp	Arg	Asp	Ile	Asp	Arg	Tyr	Thr	Glu	Ala	Leu
		20					25						30		
Leu	Gln	Gly	Trp	Leu	Gly	Ser	Arg	Pro	Arg	Ala	Pro	Leu	Leu	Tyr	Tyr
	35						40					45			
Val	Asn	Gln	Ala	Arg	Gln	Ala	Pro	Arg	Leu	Lys	Tyr	Leu	Ile	Gly	Ala
	50					55					60				
Ala	Pro	Ile	Pro	Met	Ala	Cys	Leu	Ser	Leu	Cys	Gly	Asn	Pro	Met	Glu
	65				70					75					80
Leu	Ser	Tyr													

<210> 290
 <211> 223
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any of the naturally occurring L-amino acids

Ala	Trp	Tyr	Leu	Leu	Arg	Val	Gln	Val	Leu	Gln	Leu	Val	Ala	Ala	Tyr
1				5					10					15	

Leu	Ser	Leu	Pro	Ser	Asn	Asn	Leu	Ser	His	Ser	Leu	Trp	Glu	Gln	Leu			
			20					25					30					
Cys	Ala	Gln	Gly	Trp	Gln	Thr	Pro	Glu	Ile	Ala	Leu	Ile	Asp	Ser	His			
		35					40					45						
Lys	Leu	Leu	Arg	Ser	Ile	Ile	Leu	Leu	Leu	Met	Gly	Ser	Asp	Ile	Leu			
	50					55					60							
Ser	Thr	Gln	Lys	Ala	Ala	Val	Glu	Thr	Ser	Phe	Leu	Asp	Tyr	Gly	Glu			
65					70					75					80			
Asn	Leu	Val	Gln	Lys	Trp	Gln	Val	Leu	Ser	Glu	Val	Leu	Ser	Cys	Ser			
				85					90					95				
Glu	Lys	Leu	Val	Cys	His	Leu	Gly	Arg	Leu	Gly	Ser	Val	Ser	Glu	Ala			
			100					105					110					
Lys	Ala	Phe	Cys	Leu	Glu	Ala	Leu	Lys	Leu	Thr	Thr	Lys	Leu	Gln	Ile			
		115					120					125						
Pro	Arg	Gln	Xaa	Ala	Leu	Phe	Leu	Val	Leu	Lys	Gly	Glu	Leu	Glu	Leu			
	130					135					140							
Ala	Arg	Asn	Asp	Ile	Asp	Leu	Cys	Gln	Ser	Asp	Leu	Gln	Gln	Val	Leu			
145					150					155					160			
Phe	Leu	Leu	Glu	Ser	Cys	Thr	Glu	Phe	Gly	Gly	Val	Thr	Gln	His	Leu			
				165					170					175				
Asp	Ser	Val	Lys	Lys	Val	His	Leu	Gln	Lys	Gly	Lys	Gln	Gln	Ala	Gln			
			180					185					190					
Val	Pro	Cys	Pro	Pro	Gln	Leu	Pro	Glu	Glu	Glu	Leu	Phe	Leu	Arg	Gly			
		195					200					205						
Pro	Ala	Leu	Glu	Leu	Val	Pro	Leu	Trp	Pro	Arg	Ser	Leu	Ala	Pro				
	210					215					220							

<210> 291

<211> 8

<212> PRT

<213> Homo sapiens

<400> 291

Ala Trp Phe Leu Val Lys Pro Glu

1

5

<210> 292
 <211> 223
 <212> PRT
 <213> Homo sapiens

<400> 292

Ala	Trp	Tyr	Leu	Leu	Arg	Val	Gln	Val	Leu	Gln	Leu	Val	Ala	Ala	Tyr
1				5					10					15	
Leu	Ser	Leu	Pro	Ser	Asn	Asn	Leu	Ser	His	Ser	Leu	Trp	Glu	Gln	Leu
			20					25					30		
Cys	Ala	Gln	Gly	Trp	Gln	Thr	Pro	Glu	Ile	Ala	Leu	Ile	Asp	Ser	His
		35					40					45			
Lys	Leu	Leu	Arg	Ser	Ile	Ile	Leu	Leu	Leu	Met	Gly	Ser	Asp	Ile	Leu
	50					55					60				
Ser	Thr	Gln	Lys	Ala	Ala	Val	Glu	Thr	Ser	Phe	Leu	Asp	Tyr	Gly	Glu
	65				70					75					80
Asn	Leu	Val	Gln	Lys	Trp	Gln	Val	Leu	Ser	Glu	Val	Leu	Ser	Cys	Ser
				85					90					95	
Glu	Lys	Leu	Val	Cys	His	Leu	Gly	Arg	Leu	Gly	Ser	Val	Ser	Glu	Ala
			100					105					110		
Lys	Ala	Phe	Cys	Leu	Glu	Ala	Leu	Lys	Leu	Thr	Thr	Lys	Leu	Gln	Ile
		115					120					125			
Pro	Arg	Gln	Cys	Ala	Leu	Phe	Leu	Val	Leu	Lys	Gly	Glu	Leu	Glu	Leu
	130					135					140				
Ala	Arg	Asn	Asp	Ile	Asp	Leu	Cys	Gln	Ser	Asp	Leu	Gln	Gln	Val	Leu
145					150					155					160
Phe	Leu	Leu	Glu	Ser	Cys	Thr	Glu	Phe	Gly	Gly	Val	Thr	Gln	His	Leu
				165					170					175	
Asp	Ser	Val	Lys	Lys	Val	His	Leu	Gln	Lys	Gly	Lys	Gln	Gln	Ala	Gln
			180					185					190		
Val	Pro	Cys	Pro	Pro	Gln	Leu	Pro	Glu	Glu	Glu	Leu	Phe	Leu	Arg	Gly
		195					200					205			
Pro	Ala	Leu	Glu	Leu	Val	Pro	Leu	Trp	Pro	Arg	Ser	Leu	Ala	Pro	
	210					215					220				

<210> 293

<211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 293
 Ala Asp Pro Ser Pro Ser Xaa Trp Leu Gln Thr His Arg Gly Pro Arg
 1 5 10 15
 Leu Leu Trp Pro His His Gln Gln Leu Leu Leu Ser Phe Xaa Glu Pro
 20 25 30
 Arg Lys Pro Leu Ile Leu Leu Leu Pro Val Xaa Ala Pro Xaa Ser Leu
 35 40 45
 Lys Pro His Ser Cys Ile Pro Phe Ser Leu Asp Ile Thr Pro Pro Thr
 50 55 60
 Pro Trp Leu Asn Phe Leu Pro Val Val Ala Trp Ser Phe Gly His Cys
 65 70 75 80
 Pro Gly Leu Phe Leu Ser Pro Ser
 85

<210> 294
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 294
Met His His His Thr Arg Leu Val Phe Val Phe Leu Val Glu Met Gly
1 5 10 15
Phe His His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Ser Asp
20 25 30
Leu Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Ser His
35 40 45
Cys Ala Gln Leu Pro Phe Leu Pro Leu Lys Ser Lys Xaa Gly Trp Glu
50 55 60
Leu Ser Pro Trp Xaa Phe Met Val Ala Lys Xaa Leu Asn Pro Val Ala
65 70 75 80

<210> 295
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 295
Met Val Ala Xaa Leu Leu Ile Leu Leu Leu Asp Ser Gly Xaa Leu Leu
1 5 10 15

Ala Gly

<210> 296

<211> 126

<212> PRT

<213> Homo sapiens

<400> 296

Ala Thr Thr Ser Val Pro Lys Tyr Val Phe Asn Leu Asn Phe Ile Leu
1 5 10 15

Met Cys Leu Arg Asp Glu Ser Lys Tyr Met Leu Val Thr Ser His Ser
20 25 30

Asn Val Glu Val Gly Arg Trp Leu Pro Gly Leu Pro Ser Pro Gly Arg
35 40 45

Ile Cys Gly Glu Gln Ser Asp Val His Pro Ser Gly Leu Phe Ser Ile
50 55 60

Asn Asp Ser Leu Leu Asp Leu Leu Leu Leu Gly Phe Arg Ser Lys Arg
65 70 75 80

Gly Ile Val Val Glu Asn Ala Leu Leu Gly Glu Gly Glu Pro Glu Ile
85 90 95

His Lys Arg Arg Leu Pro Cys Ser Phe Ala Tyr Leu Ala Ala Pro Arg
100 105 110

Leu Gly Val Arg Ile Pro Gly Phe Pro Ser Leu Leu Cys His
115 120 125

<210> 297

<211> 26

<212> PRT

<213> Homo sapiens

<400> 297

Met Pro Val Val Leu Phe Gln Leu Trp Leu Phe Ile Leu Lys Thr Asp
1 5 10 15

Asn Ala Phe Ala Trp Leu Lys Ile Arg Arg
20 25

<210> 298
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 298
 Pro Ser Xaa Met Leu Leu Leu Trp Ala Ser Ser Leu Pro Thr Arg Cys
 1 5 10 15
 Asp Cys Ser Phe Pro Val Thr Pro Leu Val Pro Leu Val His Val Ile
 20 25 30
 Cys Val Trp Val Met Phe Pro Ser Ala Ala Thr Ala Ala Cys His Pro
 35 40 45
 Gly Ala Gly Ala Phe Phe Ser Gln Gly Pro Ser Pro Phe Ser Arg Thr
 50 55 60
 Trp Pro Xaa Leu Gly His Arg Glu Ile Pro Ala Glu Gly Ala Gly Glu
 65 70 75 80
 Thr Val Ala Leu Gly Leu Gln Pro Lys Arg His Thr Leu Ala Val Gly
 85 90 95
 Val His Gly Met Leu Ala Leu Ser Thr Val Thr Val Gly Gly Phe Gly
 100 105 110
 Gly Phe Pro Trp Thr Ser Gly Pro Gly Cys Pro Pro Leu Ser Trp Thr
 115 120 125
 Cys Phe Ile Phe Pro Ile Leu Thr
 130 135

<210> 299
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 299
 Gln Ile Trp Pro Phe Leu Pro Pro Ser Gln Pro Ser Gly Pro Leu Gln

1

5

10

15

Arg Ala Val

<210> 300

<211> 133

<212> PRT

<213> Homo sapiens

<400> 300

Met Leu Leu Leu Trp Ala Ser Ser Leu Pro Thr Arg Cys Asp Cys Ser
 1 5 10 15

Phe Pro Val Thr Pro Leu Val Pro Leu Val His Val Ile Cys Val Trp
 20 25 30

Val Met Phe Pro Ser Ala Ala Thr Ala Ala Cys His Pro Gly Ala Gly
 35 40 45

Ala Phe Phe Ser Gln Gly Pro Ser Pro Phe Ser Arg Thr Trp Pro Leu
 50 55 60

Leu Gly His Arg Glu Ile Pro Ala Glu Gly Ala Gly Glu Thr Val Ala
 65 70 75 80

Leu Gly Leu Gln Pro Lys Arg His Thr Leu Ala Val Gly Val His Gly
 85 90 95

Met Leu Ala Leu Ser Thr Val Thr Val Gly Gly Phe Gly Gly Phe Pro
 100 105 110

Trp Thr Ser Gly Pro Gly Cys Pro Pro Leu Ser Trp Thr Cys Phe Ile
 115 120 125

Phe Pro Ile Leu Thr
 130

<210> 301

<211> 11

<212> PRT

<213> Homo sapiens

<400> 301

Ser Ser Leu Lys Asn Gln Val Ser Val Ser Gln
 1 5 10

<210> 302

<211> 495

<212> PRT

<213> Homo sapiens

<400> 302

Met Lys His Leu Trp Phe Phe Leu Leu Leu Val Ala Ala Pro Arg Trp
1 5 10 15

Val Leu Ser Gln Val Glu Leu Gln Glu Ser Gly Pro Gly Leu Val Lys
20 25 30

Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Val Ser Met
35 40 45

Ser Arg Gly Asp Trp Ser Trp Ser Trp Val Arg Gln Val Pro Gly Lys
50 55 60

Gly Leu Glu Trp Ile Gly His Ile Asp Tyr Thr Gly Lys Thr Asp Tyr
65 70 75 80

Lys Ser Ser Leu Lys Asn Gln Val Ser Ile Ser Gln Asp Thr Ala Lys
85 90 95

Asn Gln Phe Phe Leu Arg Val Glu Ser Val Thr Ala Ala Asp Thr Ala
100 105 110

Val Tyr Phe Cys Ala Arg Leu Phe Glu Ser Ser Gly Tyr Gly Ala Trp
115 120 125

Leu Asp Pro Trp Gly Pro Gly Ile Leu Val Thr Val Ser Ser Ala Ser
130 135 140

Pro Thr Ser Pro Lys Val Phe Pro Leu Ser Leu Cys Ser Thr Gln Pro
145 150 155 160

Asp Gly Asn Val Val Ile Ala Cys Leu Val Gln Gly Phe Phe Pro Gln
165 170 175

Glu Pro Leu Ser Val Thr Trp Ser Glu Ser Gly Gln Gly Val Thr Ala
180 185 190

Arg Asn Phe Pro Pro Ser Gln Asp Ala Ser Gly Asp Leu Tyr Thr Thr
195 200 205

Ser Ser Gln Leu Thr Leu Pro Ala Thr Gln Cys Leu Ala Gly Lys Ser
210 215 220

Val Thr Cys His Val Lys His Tyr Thr Asn Pro Ser Gln Asp Val Thr
225 230 235 240

Val	Pro	Cys	Pro	Val	Pro	Ser	Thr	Pro	Pro	Thr	Pro	Ser	Pro	Ser	Thr			
				245					250					255				
Pro	Pro	Thr	Pro	Ser	Pro	Ser	Cys	Cys	His	Pro	Arg	Leu	Ser	Leu	His			
			260					265					270					
Arg	Pro	Ala	Leu	Glu	Asp	Leu	Leu	Leu	Gly	Ser	Glu	Ala	Asn	Leu	Thr			
		275					280					285						
Cys	Thr	Leu	Thr	Gly	Leu	Arg	Asp	Ala	Ser	Gly	Val	Thr	Phe	Thr	Trp			
	290					295					300							
Thr	Pro	Ser	Ser	Gly	Lys	Ser	Ala	Val	Gln	Gly	Pro	Pro	Asp	Arg	Asp			
305					310					315					320			
Leu	Cys	Gly	Cys	Tyr	Ser	Val	Ser	Ser	Val	Leu	Pro	Gly	Cys	Ala	Glu			
				325					330					335				
Pro	Trp	Asn	His	Gly	Lys	Thr	Phe	Thr	Cys	Thr	Ala	Ala	Tyr	Pro	Glu			
			340					345					350					
Ser	Lys	Thr	Pro	Leu	Thr	Ala	Thr	Leu	Ser	Lys	Ser	Gly	Asn	Thr	Phe			
		355					360					365						
Arg	Pro	Glu	Val	His	Leu	Leu	Pro	Pro	Pro	Ser	Glu	Glu	Leu	Ala	Leu			
	370					375					380							
Asn	Glu	Leu	Val	Thr	Leu	Thr	Cys	Leu	Ala	Arg	Gly	Phe	Ser	Pro	Lys			
385					390					395					400			
Asp	Val	Leu	Val	Arg	Trp	Leu	Gln	Gly	Ser	Gln	Glu	Leu	Pro	Arg	Glu			
				405				410						415				
Lys	Tyr	Leu	Thr	Trp	Ala	Ser	Arg	Gln	Glu	Pro	Ser	Gln	Gly	Thr	Thr			
			420					425					430					
Thr	Phe	Ala	Val	Thr	Ser	Ile	Leu	Arg	Val	Ala	Ala	Glu	Asp	Trp	Lys			
		435					440					445						
Lys	Gly	Asp	Thr	Phe	Ser	Cys	Met	Val	Gly	His	Glu	Ala	Leu	Pro	Leu			
	450					455					460							
Ala	Phe	Thr	Gln	Lys	Thr	Ile	Asp	Arg	Leu	Ala	Gly	Lys	Pro	Thr	His			
465					470					475					480			
Val	Asn	Val	Ser	Val	Val	Met	Ala	Glu	Val	Asp	Gly	Thr	Cys	Tyr				
				485					490					495				

<210> 303

<211> 90

<212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 303
 Pro Tyr Glu Cys Lys Glu Cys Xaa Lys Ala Phe Arg Val His Val His
 1 5 10 15

 Leu Thr Gln His Arg Lys Ile His Thr Asp Val Lys Pro Tyr Glu Cys
 20 25 30

 Lys Glu Cys Gly Lys Thr Phe Ser Arg Ala Ser Tyr Leu Val Gln His
 35 40 45

 Ser Arg Ile His Thr Gly Lys Lys Pro Tyr Glu Cys Lys Glu Cys Gly
 50 55 60

 Lys Ala Phe Ser Ser Gly Ser Tyr Leu Val Gln His Gln Arg Ile His
 65 70 75 80

 Thr Gly Glu Arg Pro Tyr Trp Leu Thr Tyr
 85 90

<210> 304
 <211> 93
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 304
 Gln Arg Ile His Xaa Gly Glu Lys Pro Tyr Glu Cys Asn Lys Cys Gly
 1 5 10 15

 Lys Ala Phe Thr Val Tyr Gly Gln Leu Ile Gly His Gln Ser Val His
 20 25 30

 Thr Gly Glu Lys Pro Phe Glu Cys Lys Glu Cys Gly Lys Ala Phe Arg
 35 40 45

 Leu Asn Ser Phe Leu Thr Glu His Gln Arg Val His Thr Gly Glu Lys
 50 55 60

Pro Phe Lys Cys Lys Lys Cys Gly Lys Thr Phe Arg Tyr Ser Ser Ala
 65 70 75 80

Leu Lys Val His Leu Arg Lys His Met Ser Val Ile Pro
 85 90

<210> 305
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 305
 Met Trp Val Cys Ser Ile Thr Asp Gln
 1 5

<210> 306
 <211> 264
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (171)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 306

Thr	Trp	Gly	Lys	Xaa	Lys	Xaa	Pro	Phe	Ile	Glu	Ser	Xaa	Pro	Gly	Gly
1				5					10					15	

Lys	Ile	Gly	Trp	Gly	Lys	Lys	Gly	Leu	Phe	Phe	Leu	Lys	Val	Asn	Tyr
		20						25					30		

Trp	Gly	Lys	Lys	Ala	Phe	Asn	Pro	Arg	Gly	His	Ser	Lys	Lys	Val	Thr
		35					40					45			

Phe	His	Gln	Leu	Gly	Leu	Lys	Lys	Asn	Pro	Phe	Trp	Gly	Leu	Xaa	Lys
	50					55					60				

Glu	Val	Leu	Gly	Lys	Ala	Phe	Ser	Thr	Phe	Ser	Tyr	Leu	Val	Gln	His
65					70					75					80

Gln	Arg	Ile	His	Thr	Ser	Glu	Xaa	Pro	Tyr	Glu	Cys	Lys	Glu	Cys	Gly
				85					90					95	

Lys	Ala	Phe	Ser	Thr	Ser	Ser	Pro	Leu	Ala	Lys	His	Gln	Arg	Ile	His
			100					105					110		

Thr	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Lys	Glu	Cys	Gly	Lys	Ser	Phe	Thr
		115					120					125			

Val	Tyr	Gly	Gln	Leu	Thr	Arg	His	Gln	Ser	Ile	His	Thr	Gly	Glu	Lys
	130					135					140				

Pro	Phe	Glu	Cys	Lys	Glu	Cys	Gly	Lys	Ala	Phe	Arg	Leu	Ser	Ser	Phe
145					150					155					160

Leu	His	Ala	His	Gln	Arg	Ile	His	Ala	Xaa	Xaa	Lys	Pro	Tyr	Gly	Cys
				165					170					175	

Lys	Glu	Cys	Gly	Lys	Thr	Phe	Ser	Arg	Ala	Ser	Tyr	Leu	Val	Gln	His
			180					185					190		

Gly	Arg	Leu	His	Thr	Gly	Glu	Lys	Pro	Cys	Glu	Cys	Lys	Glu	Cys	Gly
		195					200					205			

Lys	Ala	Phe	Ser	Thr	Gly	Ser	Tyr	Leu	Val	Gln	His	Gln	Arg	Ile	His
	210					215					220				

Thr	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Lys	Glu	Cys	Gly	Lys	Ala	Phe	Ile
225					230					235					240

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 310
 Asn Arg Arg Asn Gly Ala Ser Gln Ile Thr Trp Cys Ser Gly Gln Xaa
 1 5 10 15
 Lys Ser Ser Lys Trp Ala Arg Glu Ile Gly Xaa Tyr Gln Thr Gly Val
 20 25 30
 Tyr Gln Pro Gly Trp Gly Pro Gln Arg His Ala Xaa Gly Glu Ile Ala
 35 40 45
 Thr Arg Ala Ile Ser Met Leu Ala Ile Leu Thr Gly Asn Val Gly Ile
 50 55 60
 Asn Gly Gly Asn Ser Gly Ala Arg Glu Gly Ser Tyr Ser Leu Pro Phe
 65 70 75 80
 Val Arg Met Pro Thr Leu Glu Asn Pro Ile Gln Thr Ser Ile Ser Met
 85 90 95
 Phe Met Trp Thr Asp Ala Ile Glu Arg Gly Pro Glu Met Thr Ala Leu
 100 105 110
 Arg Asp Gly Val Arg Gly Lys Asp Lys Leu Asp Val Pro Ile Lys Met
 115 120 125
 Ile Trp Asn Tyr Ala Gly Asn Cys Leu Ile Asn Gln His Ser Glu Ile
 130 135 140
 Asn Arg Thr His Glu Ile Leu Gln Asp Asp Lys Lys Cys Glu Leu Ile
 145 150 155 160
 Val Val Ile Asp Cys His Met Thr Ser Ser Ala Lys Tyr Ala Asp Ile
 165 170 175
 Leu Leu Pro Asp Cys Thr Ala Ser Glu Gln Met Asp Phe Ala Leu Asp
 180 185 190
 Ala Ser Cys Gly Asn Met Ser Tyr Val Ile Phe Asn Asp Gln Val Ile
 195 200 205
 Lys Pro Arg Phe Glu Cys Lys Thr Ile Tyr Glu Met Thr Ser Glu Leu
 210 215 220

Ala	Lys	Arg	Leu	Gly	Val	Glu	Gln	Gln	Phe	Thr	Glu	Gly	Arg	Thr	Gln	225	230	235	240
Glu	Glu	Trp	Met	Arg	His	Leu	Tyr	Ala	Gln	Ser	Arg	Glu	Ala	Ile	Pro	245	250	255	
Glu	Leu	Pro	Thr	Phe	Glu	Glu	Phe	Arg	Lys	Gln	Gly	Ile	Phe	Lys	Lys	260	265	270	
Arg	Asp	Pro	Gln	Gly	His	His	Val	Ala	Tyr	Lys	Ala	Phe	Arg	Glu	Asp	275	280	285	
Pro	Gln	Ala	Asn	Pro	Leu	Thr	Thr	Pro	Ser	Gly	Lys	Ile	Glu	Ile	Tyr	290	295	300	
Ser	Gln	Ala	Leu	Ala	Asp	Ile	Ala	Ala	Thr	Trp	Glu	Leu	Pro	Glu	Gly	305	310	315	320
Asp	Val	Ile	Asp	Pro	Leu	Pro	Ile	Tyr	Thr	Pro	Gly	Phe	Glu	Ser	Tyr	325	330	335	
Gln	Asp	Pro	Leu	Asn	Lys	Gln	Tyr	Pro	Leu	Gln	Leu	Thr	Gly	Phe	His	340	345	350	
Tyr	Lys	Ser	Arg	Val	His	Ser	Thr	Tyr	Gly	Asn	Val	Asp	Val	Leu	Lys	355	360	365	
Ala	Ala	Cys	Arg	Gln	Glu	Met	Trp	Ile	Asn	Pro	Leu	Asp	Ala	Gln	Lys	370	375	380	
Arg	Gly	Ile	His	Asn	Gly	Asp	Lys	Val	Arg	Ile	Phe	Asn	Asp	Arg	Gly	385	390	395	400
Glu	Val	His	Ile	Glu	Ala	Lys	Val	Thr	Pro	Arg	Met	Met	Pro	Gly	Val	405	410	415	
Val	Ala	Leu	Gly	Glu	Gly	Ala	Trp	Tyr	Asp	Pro	Asp	Ala	Lys	Arg	Val	420	425	430	
Asp	Lys	Gly	Gly	Cys	Ile	Asn	Val	Leu	Thr	Thr	Gln	Arg	Pro	Ser	Pro	435	440	445	
Leu	Ala	Lys	Gly	Asn	Pro	Ser	His	Thr	Asn	Leu	Val	Gln	Val	Glu	Lys	450	455	460	
Val																465			

<210> 311

<211> 185
 <212> PRT
 <213> Homo sapiens

<400> 311

Met	Ala	Gln	Ala	Asn	Ser	Thr	Leu	Gly	Ala	Gly	Gly	Trp	Val	Gly	Asn
1				5					10					15	
Gly	Val	Tyr	Val	Ser	Gly	Val	Gln	Arg	Glu	Tyr	Asp	Ala	Phe	Ile	Thr
			20					25					30		
Asn	Gln	Leu	Arg	Ala	Ala	Gln	Thr	Gln	Ser	Ser	Gly	Leu	Thr	Ala	Arg
		35					40					45			
Tyr	Glu	Gln	Met	Ser	Lys	Ile	Asp	Asn	Met	Leu	Ser	Thr	Ser	Thr	Ser
	50					55					60				
Ser	Leu	Ala	Thr	Gln	Met	Gln	Asp	Phe	Phe	Thr	Ser	Leu	Gln	Thr	Leu
65					70					75					80
Val	Ser	Asn	Ala	Glu	Asp	Pro	Ala	Ala	Arg	Gln	Ala	Leu	Ile	Gly	Lys
				85					90					95	
Ser	Glu	Gly	Leu	Val	Asn	Gln	Phe	Lys	Thr	Thr	Asp	Gln	Tyr	Leu	Arg
			100					105					110		
Asp	Gln	Asp	Lys	Gln	Val	Asn	Ile	Ala	Ile	Gly	Ala	Ser	Val	Asp	Gln
	115						120					125			
Ile	Asn	Asn	Tyr	Ala	Lys	Gln	Ile	Ala	Ser	Leu	Asn	Asp	Gln	Ile	Ser
	130					135					140				
Arg	Leu	Thr	Gly	Val	Gly	Ala	Gly	Ala	Ser	Pro	Asn	Asn	Leu	Leu	Asp
145					150					155					160
Gln	Arg	Asp	Gln	Leu	Gly	Glu	Arg	Ile	Lys	Pro	Asp	Cys	Trp	Cys	Arg
			165						170					175	
Ser	Gln	Arg	Ser	Gly	Trp	Arg	His	Leu							
			180					185							

<210> 312
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 312

Met	Ser	His	Cys	Ala	Trp	Pro	Pro	Leu	Leu	Ile	Phe	Ile	Thr	Arg	Val
1				5					10					15	

Gln Trp Ala Thr Ala Thr Lys Cys Gln Phe Thr Ala Lys Ser Gly Ile
 20 25 30

Gly Leu Thr Gln Gly Cys Ser Ser Val Phe Val Lys Leu Gly Leu Phe
 35 40 45

Leu Ile Cys Pro Tyr Asp Trp Glu
 50 55

<210> 313
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 313
 Met Ser His Cys Ala Trp Pro Pro Leu Leu Ile Phe Ile Thr Arg Val
 1 5 10 15

Gln Trp Ala Thr Ala Thr Lys Cys Gln Phe Thr Ala Lys Ser Gly Ile
 20 25 30

Gly Leu Thr Gln Gly Cys Ser Ser Val Phe Val Lys Leu Gly Leu Phe
 35 40 45

Leu Ile Cys Pro Tyr Asp Trp Glu
 50 55

<210> 314
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 314
 Leu Pro Ala Arg Leu Leu Gln Arg Ser Pro Arg Arg Cys Arg Arg Arg
 1 5 10 15

Arg Val Pro Ser Pro Ser Leu Ala His Val Gly Arg Arg Val Gln Pro
 20 25 30

Cys Tyr Ser Arg Ala Pro Pro Leu Ser Ser
 35 40

<210> 315
 <211> 146
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

Met Ala Ala Leu Leu Leu Xaa Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Ala
20 25 30

Thr Ala Ala Arg Gly Ala Leu Glu Lys Ala Ser Gly Gln Arg Arg Glu
35 40 45

Pro Glu Met Gln Arg Pro Glu Ala Ala Arg Ser Leu Pro Glu Gly Thr
50 55 60

Val Pro Pro Glu Val Glu Glu Pro Pro Pro Leu Cys His Leu Glu Gln
65 70 75 80

Leu Trp Arg Cys Ser Ser Pro Leu Ala Gln Ser Phe Cys Gly Ser Gly
85 90 95

Ser Gly Trp Pro Arg Pro Ala Cys Ala Leu Pro Leu Cys Pro Pro Pro
100 105 110

Cys Ala Gly Ala Pro Cys Cys Thr Ala Ser Ala Ala Ala Ala Arg Ala
115 120 125

Arg Trp Cys Trp Arg Gln Ser Phe Trp Ser Pro Trp Ser Arg Thr Cys
130 135 140

Pro Pro
145

<210> 316

<211> 174

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 316

Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30

Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45

Arg Ala Leu Ala Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly
50 55 60

Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Ala
65 70 75 80

His Thr Phe Leu Ile His Gly Ser Arg Arg Phe Ser Tyr Ser Glu Ala
85 90 95

Glu Arg Glu Ser Asn Arg Ala Ala Arg Ala Phe Leu Arg Ala Leu Gly
100 105 110

Trp Asp Trp Gly Pro Asp Gly Gly Asp Ser Gly Glu Gly Ser Ala Gly
115 120 125

Glu Gly Glu Arg Ala Ala Pro Gly Ala Gly Asp Ala Ser Gly Arg Lys
130 135 140

Arg Arg Gly Val Cys Arg Xaa Gly Thr Val Pro Pro Glu Gly Gly Arg
145 150 155 160

Xaa Pro Pro Xaa Pro Phe Val Thr Leu Glu Ala Asn Cys Gly
165 170

<210> 317

<211> 119

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 317

Gln Trp Gly Gly Gly Gln Leu Met Glu Leu Val Pro Leu Xaa Cys Ala
1 5 10 15

Phe Pro Gly Val Gly Ser Trp Gly Trp Glu Gln Gly Lys Ala Ala Ser
20 25 30

Ser Leu Gly Phe Leu Leu Cys Leu Pro Arg Val Ala Ala Asn Pro Val
35 40 45

Pro Ala Gly Gly Ala Gly Met Ala Ser Cys Pro Gly Leu Trp Gln Glu
50 55 60

Thr Leu Phe Pro Leu Pro Val Gly Leu Pro Arg Leu Ser Xaa Pro Phe
65 70 75 80

Ser His Lys Lys Ile Trp Gly Gln Ala Arg Trp Leu Thr Pro Val Ile
85 90 95

Pro Ala Leu Trp Glu Ala Glu Ala Gly Ser His Lys Val Arg Arg Ser
100 105 110

Gly Pro Ser Trp Leu Ile Arg
115

<210> 318

<211> 234

<212> PRT

<213> Homo sapiens

<400> 318

Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Pro Leu Leu
1 5 10 15

Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30

Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45

Arg Ala Leu Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Gly
50 55 60

Cys Ser Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Ala

65					70					75				80	
His	Thr	Phe	Leu	Ile	His	Gly	Ser	Arg	Arg	Phe	Ser	Tyr	Ser	Glu	Ala
				85					90					95	
Glu	Arg	Glu	Ser	Asn	Arg	Ala	Ala	Arg	Ala	Phe	Leu	Arg	Ala	Leu	Gly
			100					105					110		
Trp	Asp	Trp	Gly	Pro	Asp	Gly	Gly	Asp	Ser	Gly	Glu	Gly	Ser	Ala	Gly
		115					120					125			
Glu	Gly	Glu	Arg	Ala	Ala	Pro	Gly	Ala	Gly	Asp	Ala	Ala	Ala	Gly	Ser
	130					135					140				
Gly	Ala	Glu	Phe	Ala	Gly	Gly	Asp	Gly	Ala	Ala	Arg	Gly	Gly	Gly	Ala
145					150					155					160
Ala	Ala	Leu	Cys	His	Leu	Glu	Gln	Leu	Trp	Arg	Cys	Ser	Ser	Pro	Leu
				165					170					175	
Ala	Gln	Ser	Phe	Cys	Gly	Ser	Gly	Ser	Gly	Trp	Pro	Arg	Pro	Ala	Cys
			180					185					190		
Ala	Leu	Pro	Leu	Cys	Pro	Pro	Pro	Cys	Ala	Gly	Ala	Pro	Cys	Cys	Thr
		195					200					205			
Ala	Ser	Ala	Ala	Ala	Ala	Arg	Ala	Arg	Trp	Cys	Trp	Arg	Gln	Ser	Phe
	210					215					220				
Trp	Ser	Pro	Trp	Ser	Arg	Thr	Cys	Pro	Pro						
225					230										

<210> 319

<211> 683

<212> PRT

<213> Homo sapiens

<400> 319

Met	Ala	Ala	Leu	Leu	Leu	Leu	Pro	Leu	Leu	Leu	Leu	Pro	Leu	Leu	
1				5					10				15		
Leu	Leu	Lys	Leu	His	Leu	Trp	Pro	Gln	Leu	Arg	Trp	Leu	Pro	Ala	Asp
			20					25					30		
Leu	Ala	Phe	Ala	Val	Arg	Ala	Leu	Cys	Cys	Lys	Arg	Ala	Leu	Arg	Ala
		35					40					45			
Arg	Ala	Leu	Ala	Ala	Ala	Ala	Ala	Asp	Pro	Glu	Gly	Pro	Glu	Gly	Gly
	50					55					60				

Cys	Ser	Leu	Ala	Trp	Arg	Leu	Ala	Glu	Leu	Ala	Gln	Gln	Arg	Ala	Ala	65	70	75	80
His	Thr	Phe	Leu	Ile	His	Gly	Ser	Arg	Arg	Phe	Ser	Tyr	Ser	Glu	Ala		85	90	95
Glu	Arg	Glu	Ser	Asn	Arg	Ala	Ala	Arg	Ala	Phe	Leu	Arg	Ala	Leu	Gly	100	105	110	
Trp	Asp	Trp	Gly	Pro	Asp	Gly	Gly	Asp	Ser	Gly	Glu	Gly	Ser	Ala	Gly	115	120	125	
Glu	Gly	Glu	Arg	Ala	Ala	Pro	Gly	Ala	Gly	Asp	Ala	Ala	Ala	Gly	Ser	130	135	140	
Gly	Ala	Glu	Phe	Ala	Gly	Gly	Asp	Gly	Ala	Ala	Arg	Gly	Gly	Gly	Ala	145	150	155	160
Ala	Ala	Pro	Leu	Ser	Pro	Gly	Ala	Thr	Val	Ala	Leu	Leu	Leu	Pro	Ala	165	170	175	
Gly	Pro	Glu	Phe	Leu	Trp	Leu	Trp	Phe	Gly	Leu	Ala	Lys	Ala	Gly	Leu	180	185	190	
Arg	Thr	Ala	Phe	Val	Pro	Thr	Ala	Leu	Arg	Arg	Gly	Pro	Leu	Leu	His	195	200	205	
Cys	Leu	Arg	Ser	Cys	Gly	Ala	Arg	Ala	Leu	Val	Leu	Ala	Pro	Glu	Phe	210	215	220	
Leu	Glu	Ser	Leu	Glu	Pro	Asp	Leu	Pro	Ala	Leu	Arg	Ala	Met	Gly	Leu	225	230	235	240
His	Leu	Trp	Ala	Ala	Gly	Pro	Gly	Thr	His	Pro	Ala	Gly	Ile	Ser	Asp	245	250	255	
Leu	Leu	Ala	Glu	Val	Ser	Ala	Glu	Val	Asp	Gly	Pro	Val	Pro	Gly	Tyr	260	265	270	
Leu	Ser	Ser	Pro	Gln	Ser	Ile	Thr	Asp	Thr	Cys	Leu	Tyr	Ile	Phe	Thr	275	280	285	
Ser	Gly	Thr	Thr	Gly	Leu	Pro	Lys	Ala	Ala	Arg	Ile	Ser	His	Leu	Lys	290	295	300	
Ile	Leu	Gln	Cys	Gln	Gly	Phe	Tyr	Gln	Leu	Cys	Gly	Val	His	Gln	Glu	305	310	315	320
Asp	Val	Ile	Tyr	Leu	Ala	Leu	Pro	Leu	Tyr	His	Met	Ser	Gly	Ser	Leu	325	330	335	
Leu	Gly	Ile	Val	Gly	Cys	Met	Gly	Ile	Gly	Ala	Thr	Val	Val	Leu	Lys				

Gln	Glu	Ser	Leu	Ala	Thr	Thr	Glu	Thr	Phe	Lys	Gln	Gln	Lys	Val	Arg
625					630					635					640
Met	Ala	Asn	Glu	Gly	Phe	Asp	Pro	Ser	Thr	Leu	Ser	Asp	Pro	Leu	Tyr
				645					650					655	
Val	Leu	Asp	Gln	Ala	Val	Gly	Ala	Tyr	Leu	Pro	Leu	Thr	Thr	Ala	Arg
			660					665					670		
Tyr	Ser	Ala	Leu	Leu	Ala	Gly	Asn	Leu	Arg	Ile					
		675					680								

<210> 320
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 320															
Met	Gly	Pro	Arg	Phe	Thr	Met	Leu	Leu	Ala	Met	Trp	Leu	Val	Cys	Gly
1				5					10					15	
Ser	Glu	Pro	His	Pro	His	Ala	Thr	Ile	Arg	Gly	Ser	His	Gly	Gly	Arg
			20					25					30		
Lys	Val	Pro	Leu	Val	Ser	Pro	Asp	Ser	Ser	Arg	Pro	Ala	Arg	Phe	Leu
		35					40					45			
Arg	His	Thr	Gly	Arg	Ser	Arg	Gly	Ile	Glu	Arg	Ser	Thr	Leu	Glu	Glu
	50					55					60				
Pro	Asn	Leu	Gln	Pro	Leu	Gln	Arg	Arg	Arg	Ser	Val	Pro	Val	Leu	Arg
65					70					75					80
Leu	Ala	Arg	Pro	Thr	Glu	Pro	Pro	Ala	Arg	Ser	Asp	Ile	Asn	Gly	Ala
				85					90					95	
Ala	Val	Arg	Pro	Glu	Gln	Arg	Pro	Ala	Ala	Arg	Gly	Ser	Pro	Arg	Glu
			100					105					110		
Met	Ile	Arg	Asp	Glu	Gly	Ser	Ser	Ala	Arg	Ser	Arg	Met	Leu	Arg	Phe
		115					120					125			
Pro	Ser	Gly	Ser	Ser	Ser	Pro	Asn	Ile	Leu	Ala	Ser	Phe	Ala	Gly	Lys
		130				135					140				

Asn	Arg	Val	Trp	Val	Ile	Ser	Ser	Pro	His	Ala	Ser	Xaa	Gly	Tyr	Tyr
145					150					155					160

Arg Leu

<210> 321

<211> 509

<212> PRT

<213> Homo sapiens

<400> 321

Met	Thr	Trp	Arg	Met	Gly	Pro	Arg	Phe	Thr	Met	Leu	Leu	Ala	Met	Trp
1				5					10					15	

Leu	Val	Cys	Gly	Ser	Glu	Pro	His	Pro	His	Ala	Thr	Ile	Arg	Gly	Ser
			20					25					30		

His	Gly	Gly	Arg	Lys	Val	Pro	Leu	Val	Ser	Pro	Asp	Ser	Ser	Arg	Pro
	35						40					45			

Ala	Arg	Phe	Leu	Arg	His	Thr	Gly	Arg	Ser	Arg	Gly	Ile	Glu	Arg	Ser
	50					55					60				

Thr	Leu	Glu	Glu	Pro	Asn	Leu	Gln	Pro	Leu	Gln	Arg	Arg	Arg	Ser	Val
65					70					75					80

Pro	Val	Leu	Arg	Leu	Ala	Arg	Pro	Thr	Glu	Pro	Pro	Ala	Arg	Ser	Asp
				85					90					95	

Ile	Asn	Gly	Ala	Ala	Val	Arg	Pro	Glu	Gln	Arg	Pro	Ala	Ala	Arg	Gly
			100					105					110		

Ser	Pro	Arg	Glu	Met	Ile	Arg	Asp	Glu	Gly	Ser	Ser	Ala	Arg	Ser	Arg
		115					120					125			

Met	Leu	Arg	Phe	Pro	Ser	Gly	Ser	Ser	Ser	Pro	Asn	Ile	Leu	Ala	Ser
	130					135					140				

Phe	Ala	Gly	Lys	Asn	Arg	Val	Trp	Val	Ile	Ser	Ala	Pro	His	Ala	Ser
145					150					155					160

Glu	Gly	Tyr	Tyr	Arg	Leu	Met	Met	Ser	Leu	Leu	Lys	Asp	Asp	Val	Tyr
				165					170					175	

Cys	Glu	Leu	Ala	Glu	Arg	His	Ile	Gln	Gln	Ile	Val	Leu	Phe	His	Gln
			180					185					190		

Ala	Gly	Glu	Glu	Gly	Gly	Lys	Val	Arg	Arg	Ile	Thr	Ser	Glu	Gly	Gln
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

195					200					205					
Ile	Leu	Glu	Gln	Pro	Leu	Asp	Pro	Ser	Leu	Ile	Pro	Lys	Leu	Met	Ser
210					215					220					
Phe	Leu	Lys	Leu	Glu	Lys	Gly	Lys	Phe	Gly	Met	Val	Leu	Leu	Lys	Lys
225					230					235					240
Thr	Leu	Gln	Val	Glu	Glu	Arg	Tyr	Pro	Tyr	Pro	Val	Arg	Leu	Glu	Ala
				245					250					255	
Met	Tyr	Glu	Val	Ile	Asp	Gln	Gly	Pro	Ile	Arg	Arg	Ile	Glu	Lys	Ile
			260					265					270		
Arg	Gln	Lys	Gly	Phe	Val	Gln	Lys	Cys	Lys	Ala	Ser	Gly	Val	Glu	Gly
		275					280					285			
Gln	Val	Val	Ala	Glu	Gly	Asn	Asp	Gly	Gly	Gly	Gly	Ala	Gly	Arg	Pro
	290					295					300				
Ser	Leu	Gly	Ser	Glu	Lys	Lys	Lys	Glu	Asp	Pro	Arg	Arg	Ala	Gln	Val
305					310					315					320
Pro	Pro	Thr	Arg	Glu	Ser	Arg	Val	Lys	Val	Leu	Arg	Lys	Leu	Ala	Ala
				325					330					335	
Thr	Ala	Pro	Ala	Phe	Pro	Gln	Pro	Pro	Ser	Thr	Pro	Arg	Ala	Thr	Thr
			340					345					350		
Leu	Pro	Pro	Ala	Pro	Ala	Thr	Thr	Val	Thr	Arg	Ser	Thr	Ser	Arg	Ala
		355					360					365			
Val	Thr	Val	Ala	Ala	Arg	Pro	Met	Thr	Thr	Thr	Ala	Phe	Pro	Thr	Thr
	370					375					380				
Gln	Arg	Pro	Trp	Thr	Pro	Ser	Pro	Ser	His	Arg	Pro	Pro	Thr	Thr	Thr
385					390					395					400
Glu	Val	Ile	Thr	Ala	Arg	Arg	Pro	Ser	Val	Ser	Glu	Asn	Leu	Tyr	Pro
				405					410					415	
Pro	Ser	Arg	Lys	Asp	Gln	His	Arg	Glu	Arg	Pro	Gln	Thr	Thr	Arg	Arg
			420					425					430		
Pro	Ser	Lys	Ala	Thr	Ser	Leu	Glu	Ser	Phe	Thr	Asn	Ala	Pro	Pro	Thr
		435					440					445			
Thr	Ile	Ser	Glu	Pro	Ser	Thr	Arg	Ala	Ala	Gly	Pro	Gly	Arg	Phe	Arg
	450					455					460				
Asp	Asn	Arg	Met	Asp	Arg	Arg	Glu	His	Gly	His	Arg	Asp	Pro	Asn	Val
465					470					475					480

Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys
485 490 495

Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Val
500 505

<210> 322

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 322

Pro Pro His Leu Xaa Ser Phe Glu Phe Leu Lys Asn Val Gln Leu Arg
1 5 10 15

Pro Asp Thr Val Ala His Thr Cys Asp Pro Gly Thr Leu Gly Gly Arg
20 25 30

Gly Trp Trp Ile Thr Gly Ser Gly Asp Arg Asp Ile Leu Ala Asn Thr
35 40 45

Val Lys Arg Arg Leu Tyr Arg Lys Cys Arg Arg Leu Ala Gly His Gly
50 55 60

Gly Gly Arg Leu
65

<210> 323

<211> 58

<212> PRT

<213> Homo sapiens

<400> 323

Met Pro Asn Gln Phe Trp Lys Leu His Ile Leu Leu Phe Leu Leu Phe
1 5 10 15

Phe Leu Phe Pro Leu Val Gln Leu Cys Ile Phe Ile Leu Ile Ser Asn
20 25 30

Lys Glu Lys Lys Asn Val Cys Thr Leu Arg Lys Thr Tyr Ile Val Arg
35 40 45

His Phe Leu Trp Leu Arg Ser Phe Gln Val
50 55

<210> 324
<211> 58
<212> PRT
<213> Homo sapiens

<400> 324
Met Gln Val Phe Ser Ala Leu Leu Tyr Ser Leu Met His Phe Tyr Leu
1 5 10 15

Pro Ser Phe Thr Leu Glu Met Tyr Leu Asn Thr Leu Leu Ser His Asp
20 25 30

Leu Leu Ser Phe Phe His Cys Ser Gly Leu Val Phe Phe Val Tyr Phe
35 40 45

Lys Ser Val Thr Gly Leu Phe Ser Gly Val
50 55

<210> 325
<211> 1
<212> PRT
<213> Homo sapiens

<400> 325
Ile
1

<210> 326
<211> 7
<212> PRT
<213> Homo sapiens

<400> 326
Ile Phe Thr Cys Val Leu Tyr
1 5

<210> 327
<211> 41
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 327
 Gln Thr Val Ser Ala Phe Leu Pro Pro Leu Phe Tyr Val Thr Phe Xaa
 1 5 10 15
 Leu Gly Lys Ile Asn Tyr Thr Lys Tyr His Ile Ile Pro Ser Tyr Lys
 20 25 30
 Leu Leu Pro Glu Asn Lys Ser Cys Val
 35 40

<210> 328
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 328
 Met Gln Val Phe Ser Ala Leu Leu Tyr Ser Leu Met His Phe Tyr Leu
 1 5 10 15
 Pro Ser Phe Thr Leu Glu Met Tyr Leu Asn Thr Leu Leu Ser His Asp
 20 25 30
 Leu Leu Ser Phe Phe His Cys Ser Gly Leu Val Phe Phe Val Tyr Phe
 35 40 45
 Lys Ser Val Thr Gly Leu Phe Ser Gly Val
 50 55

<210> 329
 <211> 14
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 329
 Met Met Pro Ala Tyr Pro Xaa Leu Leu Ala Trp Ile Leu Phe
 1 5 10

<210> 330
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 330
 Ala Trp Ser His Leu Ser Ile Leu Leu Asn Tyr Lys Leu Gln Arg Gln
 1 5 10 15
 Glu Trp His Leu Phe Thr Tyr Phe Glu Phe Val Cys Asn Cys Leu Asp
 20 25 30

<210> 331
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 331
 Met Glu Pro Ser Leu Val His Ile Leu Val Trp Val Ser Val Pro Pro
 1 5 10 15
 Leu Phe Leu Cys Leu Thr His Ser Arg Ser Ile Asn His Asn Gln Asp
 20 25 30
 Gly Leu Asn Leu Thr Pro Leu Leu Gln Met Pro His Gln Leu Thr Asp
 35 40 45
 Ala Ser Gly Val Ile Lys Ala Pro Ala Cys His Pro Thr Val Asn Thr
 50 55 60
 Asn Pro His Lys Glu Asn Glu His Ala Phe Leu Phe Ala Gly Cys Cys
 65 70 75 80
 Thr His Ser Leu Asn Arg Val Gly Thr Trp Val Pro Pro Leu Phe Lys
 85 90 95
 Val Phe Arg Phe Leu Leu Arg Gly Thr Ser Ala Ile Ala Thr Phe Ser
 100 105 110
 Gly His Phe Phe Ser Asp Glu Ala Phe Tyr Pro Gly Glu Pro Gly Arg
 115 120 125
 Leu Gln Gly Asn Gly Val Pro Trp Gln Leu Thr Val Thr Gly Gln Gly
 130 135 140
 Phe Asp Tyr Asp Lys Glu Asp Lys Arg Arg Glu Ala Pro His Gly Leu

145 150 155 160
 Trp Leu Gln His Tyr Arg Ala Ala Arg Asp Pro Arg Ala Trp Val Ser
 165 170 175

Trp Trp Ser Thr Phe Cys Asp Pro Gly Glu Glu Pro
 180 185

<210> 332
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 332
 Met Glu Pro Ser Leu Val His Ile Leu Val Trp Val Ser Val Pro Pro
 1 5 10 15

Leu Phe Leu Cys Leu Thr His Ser Arg Ser Ile Asn His Asn Gln Asp
 20 25 30

Gly Leu Asn Leu Thr Pro Leu Leu Gln Met Pro His Gln Leu Thr Asp
 35 40 45

Ala Ser Gly Val Ile Lys Ala Pro Ala Cys His Pro Thr Val Asn Thr
 50 55 60

Asn Pro His Lys Glu Asn Glu His Ala Phe Leu Phe Ala Gly Cys Cys
 65 70 75 80

Thr His Ser Leu Asn Arg Val Gly Thr Trp Val Pro Pro Leu Phe Lys
 85 90 95

Val Phe Arg Phe Leu Leu Arg Gly Thr Ser Ala Ile Ala Thr Phe Ser
 100 105 110

Gly His Phe Phe Ser Asp Glu Ala Phe Tyr Pro Gly Glu Pro Gly Arg
 115 120 125

Leu Gln Gly Asn Gly Val Pro Trp Gln Leu Thr Val Thr Gly Gln Gly
 130 135 140

Phe Asp Tyr Asp Lys Glu Asp Lys Arg Arg Glu Ala Pro His Gly Leu
 145 150 155 160

Trp Leu Gln His Tyr Arg Ala Ala Arg Asp Pro Arg Ala Trp Val Ser
 165 170 175

Trp Trp Ser Thr Phe Cys Asp Pro Gly Glu Glu Pro
 180 185

<210> 333

<211> 44

<212> PRT

<213> Homo sapiens

<400> 333

Met	Leu	Cys	Val	Cys	Val	Leu	Trp	Met	Phe	Thr	Val	Pro	Gly	Ser	Arg
1				5					10					15	

Lys	Asp	Val	Gly	Glu	Ala	Ala	Pro	Ala	Ser	Gly	Thr	Gly	Gln	Glu	Cys
			20					25					30		

Arg	Met	His	Gly	Ser	Trp	Ser	Gly	Arg	Ser	Leu	Gly
		35					40				

<210> 334

<211> 44

<212> PRT

<213> Homo sapiens

<400> 334

Met	Leu	Cys	Val	Cys	Val	Leu	Trp	Met	Phe	Thr	Val	Pro	Gly	Ser	Arg
1				5					10					15	

Lys	Asp	Val	Gly	Glu	Ala	Ala	Pro	Ala	Ser	Gly	Thr	Gly	Gln	Glu	Cys
			20					25					30		

Arg	Met	His	Gly	Ser	Trp	Ser	Gly	Arg	Ser	Leu	Gly
		35					40				

<210> 335

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 335

Met	Val	Cys	Val	Phe	Met	Cys	Ile	Val	Gly	Val	Cys	Val	Ala	Cys	Cys
1				5					10					15	
Ala	Cys	Val	Tyr	Cys	Gly	Cys	Leu	Leu	Ser	Arg	Ala	Val	Glu	Arg	Thr
			20					25					30		
Ser	Gly	Lys	Gln	Pro	Gln	His	Gln	Gly	Gln	Ala	Arg	Ser	Ala	Glu	Cys
		35					40					45			
Met	Glu	Ala	Gly	Gln	Val	Gly	Ala	Trp	Asp	Glu	Gly	Ser	Thr	Glu	Met
	50					55					60				
Gln	Gly	Cys	Gln	Gly	Pro	Trp	Asn	Gln	Glu	Pro	Met	Ile	Lys	Ala	Thr
65					70					75					80
Val	His	Thr	Ala	Leu	Glu	Ala	Lys	Asp	Ile	Phe	Ile	Ser	Gln	Gly	Leu
				85					90					95	
Lys	Ser	Met	Gly	Gln	Gly	Trp	Ala	Pro	Gly	Gln	Asp	Trp	Gly	Tyr	Arg
			100					105					110		
Val	Asp	Gln	Ser	Pro	Ser	Leu	Pro	Pro	Gly	Ala	Tyr	Pro	His	Pro	Phe
		115					120					125			
Thr	Ser	Gln	Val	Ser	Pro	Pro	Gln	Pro	Leu	Gly	Glu	Leu	Leu	Leu	Ile
	130					135					140				
Pro	Gln	Xaa	Val	Ala	Xaa	Val	Thr	Leu	Leu	Pro	Glu	Ala	Ser	Pro	His
145					150					155					160
Pro	Leu	Lys	His	Pro	Leu	Pro	Ala	Ala	His	Leu	Gln	His	Ser	Gln	Arg
				165					170					175	
Ala	Pro	Trp	Pro	Val	Ser	Thr	Gly	Leu	Ser	Leu	Leu	Gly	Gly	Ala	Gly
			180					185					190		
Ala	Glu	Gln	Xaa	Pro	Gly	Leu	Gly	Val	Pro	Ala	Pro	Arg	Ser	Thr	Pro
		195					200					205			
Ser	Pro	Thr	Ala	Ser	Leu	Phe	Asn	Leu	Arg	Gln	Ala	Val	Xaa	Leu	Leu
	210					215					220				

Ser Leu Thr Phe Pro Leu Cys Lys Met Arg Glu Gly Thr Ala Pro Ser
 225 230 235 240

Lys Pro Ser Phe Ser Leu Lys Pro Leu
 245

<210> 336
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 336
 Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
 1 5 10 15

Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro
 20 25 30

Gly Phe Ser Trp Ala His Asp Cys Pro Gln
 35 40

<210> 337
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 337
 Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
 1 5 10 15

Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro
 20 25 30

Gly Phe Ser Trp Ala His Asp Cys Pro Gln
 35 40

<210> 338
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 338
 Met Lys Ile Val Thr Thr Leu Tyr Cys Leu Phe Val Phe Leu Leu Asn
 1 5 10 15

Cys Phe Gly Val Gly Gly Ser Cys Ile Phe Leu Ser Asn Arg Thr Pro

	20		25		30
Gly	Phe	Ser	Trp	Ala	His
			Asp	Cys	Pro
				Gln	
	35		40		

<210> 339
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 339																	
Leu	Leu	Ser	Asp	Val	Cys	Pro	Ser	Leu	Thr	Val	Pro	Cys	Ser	Ser	His		
1				5					10					15			

Val	Phe	Thr	Asp	Cys	Leu	Leu	Tyr	Met	Gln	Ser	Gln	Arg	Val	Gly	Pro
			20					25					30		

Gly	Leu	Glu	Leu	Ser	Pro	His	Leu	Pro	Leu	Leu	Ala	Pro	Pro	Ser	Ser
		35					40					45			

Trp	Ala	Leu	Ser	Ser	Asn	Thr	Val	Ile	Leu	Ser	Pro	Thr	Trp	Leu	Ile
	50					55					60				

Leu	Ser	Phe	Leu	Pro	Ser	Asn	Gly	His	Leu	Gln	Lys	Lys	Lys	Lys	Lys
65					70					75					80

Thr Arg

<210> 340
 <211> 265
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (193)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (238)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (258)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 340
 Met Asp Leu Leu Gln Phe Leu Ala Phe Leu Phe Val Leu Leu Leu Ser
 1 5 10 15
 Gly Met Gly Ala Thr Gly Thr Leu Arg Thr Ser Leu Asp Pro Ser Leu
 20 25 30
 Glu Ile Tyr Lys Lys Met Phe Glu Val Lys Arg Arg Glu Gln Leu Leu
 35 40 45
 Ala Leu Lys Asn Leu Ala Gln Leu Asn Asp Ile His Gln Gln Tyr Lys
 50 55 60
 Ile Leu Asp Val Met Leu Lys Gly Leu Phe Lys Val Leu Glu Asp Ser
 65 70 75 80
 Arg Thr Val Leu Thr Ala Ala Asp Val Leu Pro Asp Gly Pro Phe Pro
 85 90 95
 Gln Asp Glu Lys Leu Lys Asp Ala Phe Ser His Val Val Glu Asn Xaa
 100 105 110
 Xaa Phe Phe Gly Asp Val Val Leu Arg Phe Pro Lys Ile Val His Tyr
 115 120 125
 Tyr Phe Asp His Asn Ser Asn Trp Asn Leu Leu Ile Arg Trp Gly Ile
 130 135 140
 Ser Phe Cys Asn Gln Thr Gly Val Phe Asn Gln Gly Pro His Ser Pro
 145 150 155 160
 Ile Leu Ser Leu Met Ala Gln Glu Leu Gly Ile Ser Glu Lys Asp Ser
 165 170 175
 Asn Phe Gln Asn Pro Phe Lys Ile Asp Arg Thr Glu Phe Ile Pro Ser
 180 185 190

Xaa Asp Pro Phe Gln Lys Ala Leu Arg Glu Glu Glu Lys Arg Arg Lys
 195 200 205
 Lys Glu Glu Lys Arg Lys Glu Ile Arg Lys Gly Pro Lys Xaa Leu Pro
 210 215 220
 Asp Ser His Leu Glu Leu Leu Gly Pro Trp Ser Ser Phe Xaa Val Gln
 225 230 235 240
 Gly Ala Thr Arg Arg Gln Val Arg Glu Gly Arg Arg Gly Trp Ser Phe
 245 250 255
 Gly Xaa Trp Leu Glu Glu Ala Pro Phe
 260 265

<210> 341
 <211> 229
 <212> PRT
 <213> Homo sapiens

<400> 341
 Met Asp Leu Leu Gln Phe Leu Ala Phe Leu Phe Val Leu Leu Leu Ser
 1 5 10 15
 Gly Met Gly Ala Thr Gly Thr Leu Arg Thr Ser Leu Asp Pro Ser Leu
 20 25 30
 Glu Ile Tyr Lys Lys Met Phe Glu Val Lys Arg Arg Glu Gln Leu Leu
 35 40 45
 Ala Leu Lys Asn Leu Ala Gln Leu Asn Asp Ile His Gln Gln Tyr Lys
 50 55 60
 Ile Leu Asp Val Met Leu Lys Gly Leu Phe Lys Val Leu Glu Asp Ser
 65 70 75 80
 Arg Thr Val Leu Thr Ala Ala Asp Val Leu Pro Asp Gly Pro Cys Pro
 85 90 95
 Gln Asp Glu Lys Leu Lys Asp Ala Phe Ser His Val Val Glu Asn Thr
 100 105 110
 Ala Phe Phe Gly Asp Val Val Leu Arg Phe Pro Arg Ile Val His Tyr
 115 120 125
 Tyr Phe Asp His Asn Ser Asn Trp Asn Leu Leu Ile Arg Trp Gly Ile
 130 135 140
 Ser Phe Cys Asn Gln Thr Gly Val Phe Asn Gln Gly Pro His Ser Pro

145		150		155		160									
Ile	Leu	Ser	Leu	Met	Ala	Gln	Glu	Leu	Gly	Ile	Ser	Glu	Lys	Asp	Ser
				165					170					175	
Asn	Phe	Gln	Asn	Pro	Phe	Lys	Ile	Asp	Arg	Thr	Glu	Phe	Ile	Pro	Ser
			180					185					190		
Thr	Asp	Pro	Phe	Gln	Lys	Ala	Leu	Arg	Glu	Glu	Glu	Lys	Arg	Arg	Lys
		195					200					205			
Lys	Glu	Glu	Lys	Arg	Lys	Glu	Ile	Arg	Lys	Gly	Pro	Arg	Ile	Ser	Arg
	210					215					220				
Ser	Gln	Ser	Glu	Leu											
225															

<210> 342

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 342

Xaa	Xaa	Glu	Asp	Arg	Leu	Pro	Gly	Pro	Ile	Leu	Pro	Arg	Gly	Phe	Gln
1				5					10					15	

Leu	Trp	Xaa	Ser	Leu	Gly	Gly	Glu	Phe	Pro	Arg	Leu	Gln	Ile	Arg	Pro
			20					25					30		

Met	Cys	His	Ala	Pro	Asn	Cys	Leu	Ser	Val	Arg	Pro	Ser	Val	Arg	Pro
		35					40					45			

Ser	Val	His	Pro	Ser	Ile	His	Pro	Ser	Ile	Pro	Val	Thr	Ile	Ser	Thr
	50					55					60				

Pro Met Cys Gln Met Pro Tyr Ile Ser Asn Leu Met Gln Val Pro Pro
65 70 75 80

Pro Pro Cys Pro Leu Leu Ile Gln
85

<210> 343
<211> 162
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (152)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 343
Met Arg Pro Arg Gly Leu Pro Pro Leu Leu Val Val Leu Leu Gly Cys
1 5 10 15

Trp Ala Ser Val Ser Ala Gln Thr Asp Ala Thr Pro Ala Val Thr Thr
20 25 30

Glu Gly Leu Asn Ser Thr Glu Ala Ala Leu Ala Thr Phe Gly Thr Phe
35 40 45

Pro Ser Thr Arg Pro Pro Gly Thr Pro Arg Ala Pro Gly Pro Ser Ser
50 55 60

Gly Pro Arg Pro Thr Pro Val Thr Asp Val Ala Val Leu Cys Val Cys
65 70 75 80

Asp Leu Ser Pro Ala Gln Cys Asp Ile Asn Cys Cys Cys Asp Pro Asp
85 90 95

Cys Ser Ser Val Asp Phe Ser Val Phe Ser Ala Cys Ser Val Pro Val
100 105 110

Val Thr Gly Asp Ser Gln Phe Cys Ser Gln Lys Ala Val Ile Tyr Ser
115 120 125

Leu Asn Phe Thr Ala Asn Pro Pro Gln Xaa Val Phe Glu Leu Val Asp
130 135 140

Gln Ile Asn Pro Ser Ile Phe Xaa Ile His Ile Thr Asn Cys Arg Cys

145 150 155 160

Ser Val

<210> 344
 <211> 274
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 344

Pro	Phe	Tyr	Ser	Ser	Pro	Glu	Ile	Leu	Arg	Val	Pro	Asp	Ser	Arg	Lys
1				5					10					15	
Lys	Val	Pro	Ile	Thr	Val	Gln	Ser	Ile	Val	Ile	Gln	Ser	Leu	Asn	Lys
			20					25					30		
Thr	Leu	Thr	Arg	Arg	Glu	Asp	Thr	Asp	Val	Leu	Gln	Pro	Thr	Leu	Val
		35					40					45			
Asn	Ala	Gly	His	Phe	Ser	Leu	Xaa	Val	Asn	Val	Val	Leu	Glu	Val	Lys
	50					55					60				
Tyr	Ser	Leu	Thr	Tyr	Thr	Asp	Ala	Gly	Glu	Val	Thr	Lys	Ala	Asp	Leu
65					70					75					80
Ser	Phe	Val	Leu	Gly	Thr	Val	Ser	Ser	Val	Val	Val	Pro	Leu	Gln	Gln
				85					90					95	
Lys	Phe	Glu	Ile	His	Phe	Leu	Gln	Glu	Asn	Thr	Gln	Pro	Val	Pro	Leu
			100					105					110		
Ser	Gly	Asn	Pro	Gly	Tyr	Val	Val	Gly	Leu	Pro	Leu	Ala	Ala	Gly	Phe
		115					120					125			
Gln	Pro	His	Lys	Gly	Gly	Ala	Leu	Pro	Cys	Gln	Leu	Val	Ala	Gln	Lys
	130					135					140				
Val	Lys	Ser	Leu	Leu	Trp	Gly	Gln	Gly	Phe	Pro	Asp	Tyr	Val	Ala	Pro
145					150					155					160
Phe	Gly	Asn	Ser	Gln	Ala	Gln	Asp	Met	Leu	Asp	Trp	Val	Pro	Ile	His
				165					170					175	
Phe	Ile	Thr	Gln	Ser	Phe	Asn	Arg	Lys	Asp	Ser	Cys	Gln	Leu	Pro	Gly

Ser Ala Pro Ala Glu Ala Gly Phe Arg Ala Pro Pro Ala Ile Asn Ala
565 570 575

Arg Leu Pro Phe Asn Phe Phe Phe Pro Phe Val
580 585

<210> 347

<211> 184

<212> PRT

<213> Homo sapiens

<400> 347

Met Lys Ala Leu Gly Ala Val Leu Leu Ala Leu Leu Leu Cys Gly Arg
1 5 10 15

Pro Gly Arg Gly Gln Thr Gln Gln Glu Glu Glu Glu Asp Glu Asp
20 25 30

His Gly Pro Asp Asp Tyr Asp Glu Glu Asp Glu Asp Glu Val Glu Glu
35 40 45

Glu Glu Thr Asn Arg Leu Pro Gly Gly Arg Ser Arg Val Leu Leu Arg
50 55 60

Cys Tyr Thr Cys Lys Ser Leu Pro Arg Asp Glu Arg Cys Asn Leu Thr
65 70 75 80

Gln Asn Cys Ser His Gly Gln Thr Cys Thr Thr Leu Ile Ala His Gly
85 90 95

Asn Thr Glu Ser Gly Leu Leu Thr Thr His Ser Thr Trp Cys Thr Asp
100 105 110

Ser Cys Gln Pro Ile Thr Lys Thr Val Glu Gly Thr Gln Val Thr Met
115 120 125

Thr Cys Cys Gln Ser Ser Leu Cys Asn Val Pro Pro Trp Gln Ser Ser
130 135 140

Arg Val Gln Asp Pro Thr Gly Lys Gly Ala Gly Gly Pro Arg Gly Ser
145 150 155 160

Ser Glu Thr Val Gly Ala Ala Leu Leu Leu Asn Leu Leu Ala Gly Leu
165 170 175

Gly Ala Met Gly Ala Arg Arg Pro
180

<210> 348
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 348
 Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
 1 5 10 15
 Pro Ile Xaa Met Xaa Val Ser Asn Ile Tyr Gly Lys Xaa Tyr Lys Arg
 20 25 30
 Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
 35 40 45
 Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
 50 55 60
 Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
 65 70 75 80
 Leu Asn Arg Lys Glu Ala Xaa Ala Tyr Met Tyr Tyr Val Trp Gly Ser
 85 90 95
 Gly Leu Thr Leu Leu Val Val Gln Val Ser Ile Leu
 100 105

<210> 349
 <211> 219

<212> PRT

<213> Homo sapiens

<400> 349

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Val Thr Ile Leu Cys Ile Asp Leu Gly Thr Asp Met Val Pro Ala Ile
  1              5              10              15

Ser Leu Ala Tyr Glu Gln Ala Glu Ser Asp Ile Met Lys Arg Gln Pro
      20              25              30

Arg Asn Pro Lys Thr Asp Lys Leu Val Asn Glu Arg Leu Ile Ser Met
      35              40              45

Ala Tyr Gly Gln Ile Gly Met Ile Gln Ala Leu Gly Gly Phe Phe Thr
      50              55              60

Tyr Phe Val Ile Leu Ala Glu Asn Gly Phe Leu Pro Ile His Leu Leu
      65              70              75              80

Gly Leu Arg Val Asp Trp Asp Asp Arg Trp Ile Asn Asp Val Glu Asp
      85              90              95

Ser Tyr Gly Gln Gln Trp Thr Tyr Glu Gln Arg Lys Ile Val Glu Phe
      100             105             110

Thr Cys His Thr Ala Phe Phe Val Ser Ile Val Val Val Gln Trp Ala
      115             120             125

Asp Leu Val Ile Cys Lys Thr Arg Arg Asn Ser Val Phe Gln Gln Gly
      130             135             140

Met Lys Asn Lys Ile Leu Ile Phe Gly Leu Phe Glu Glu Thr Ala Leu
      145             150             155             160

Ala Ala Phe Leu Ser Tyr Cys Pro Gly Met Gly Val Ala Leu Arg Met
      165             170             175

Tyr Pro Leu Lys Pro Thr Trp Trp Phe Cys Ala Phe Pro Tyr Ser Leu
      180             185             190

Leu Ile Phe Val Tyr Asp Glu Val Arg Lys Leu Ile Ile Arg Arg Arg
      195             200             205

Pro Gly Gly Trp Val Glu Lys Glu Thr Tyr Tyr
      210             215
```

<210> 350

<211> 73

<212> PRT

<213> Homo sapiens

<400> 350

Phe Ser Ser Ser Met Ser Leu Ser Phe Leu Pro Phe Leu Pro Phe Leu
1 5 10 15
Ser Pro Cys Ser Glu Thr Ala Ala Gly Ser Tyr Leu Ser Arg Pro Thr
20 25 30
Pro Phe Pro Met Val Ala Val Leu Ser Ala Gly Ala Gly Ser Cys Arg
35 40 45
Trp Arg Ile Arg Glu Lys Ser Thr Glu Gln Leu Pro Ala Glu Arg Ala
50 55 60
Gly Pro Gly Glu Pro Ser Gly Gly Ser
65 70

<210> 351

<211> 296

<212> PRT

<213> Homo sapiens

<400> 351

Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
1 5 10 15
Pro Ile Ile Met Met Val Ser Asn Ile Tyr Gly Lys Tyr Tyr Lys Arg
20 25 30
Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
35 40 45
Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
50 55 60
Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
65 70 75 80
Leu Asn Arg Lys Glu Ala Ala Ala Tyr Met Tyr Tyr Val Trp Gly Ser
85 90 95
Gly Leu Thr Leu Leu Val Val Gln Val Ser Ile Leu Tyr Tyr Gly Gly
100 105 110
His Leu Val Ile Ser Gly Gln Met Thr Ser Gly Asn Leu Ile Ala Phe
115 120 125
Ile Ile Tyr Glu Phe Val Leu Gly Asp Cys Met Glu Asn Val Ser Phe
130 135 140

Ser Leu Ser Pro Gly Lys Val Thr Ala Leu Val Gly Pro Ser Gly Ser
 145 150 155 160
 Gly Lys Ser Ser Cys Val Asn Ile Leu Glu Asn Phe Tyr Pro Leu Glu
 165 170 175
 Gly Gly Arg Val Leu Leu Asp Gly Lys Pro Ile Ser Ala Tyr Asp His
 180 185 190
 Lys Tyr Leu His Arg Val Ile Ser Leu Val Ser Gln Glu Pro Val Leu
 195 200 205
 Phe Ala Arg Ser Ile Thr Asp Asn Ile Ser Tyr Gly Leu Pro Thr Val
 210 215 220
 Pro Phe Glu Met Val Val Glu Ala Ala Gln Lys Ala Asn Ala His Gly
 225 230 235 240
 Phe Ile Met Glu Leu Gln Asp Gly Tyr Ser Thr Glu Thr Gly Glu Lys
 245 250 255
 Gly Ala Gln Leu Ser Gly Gly Gln Lys Gln Arg Val Ala Trp Pro Gly
 260 265 270
 Leu Trp Cys Gly Thr Pro Gln Ser Ser Ser Trp Met Lys Pro Pro Ala
 275 280 285
 Leu Trp Met Pro Arg Ala Ser Ile
 290 295

<210> 352
 <211> 446
 <212> PRT
 <213> Homo sapiens

<400> 352
 Met Phe Ser Leu Ser Trp Gln Leu Ser Leu Val Thr Phe Met Gly Phe
 1 5 10 15
 Pro Ile Ile Met Met Val Ser Asn Ile Tyr Gly Lys Tyr Tyr Lys Arg
 20 25 30
 Leu Ser Lys Glu Val Gln Asn Ala Leu Ala Arg Ala Ser Asn Thr Ala
 35 40 45
 Glu Glu Thr Ile Ser Ala Met Lys Thr Val Arg Ser Phe Ala Asn Glu
 50 55 60
 Glu Glu Glu Ala Glu Val Tyr Leu Arg Lys Leu Gln Gln Val Tyr Lys
 65 70 75 80

Leu	Asn	Arg	Lys	Glu	Ala	Ala	Ala	Tyr	Met	Tyr	Tyr	Val	Trp	Gly	Ser	
				85					90					95		
Gly	Leu	Thr	Leu	Leu	Val	Val	Gln	Val	Ser	Ile	Leu	Tyr	Tyr	Gly	Gly	
			100					105					110			
His	Leu	Val	Ile	Ser	Gly	Gln	Met	Thr	Ser	Gly	Asn	Leu	Ile	Ala	Phe	
		115					120					125				
Ile	Ile	Tyr	Glu	Phe	Val	Leu	Gly	Asp	Cys	Met	Glu	Ser	Val	Gly	Ser	
	130					135					140					
Val	Tyr	Ser	Gly	Leu	Met	Gln	Gly	Val	Gly	Ala	Ala	Glu	Lys	Val	Phe	
145					150					155					160	
Glu	Phe	Ile	Asp	Arg	Gln	Pro	Thr	Met	Val	His	Asp	Gly	Ser	Leu	Ala	
				165					170					175		
Pro	Asp	His	Leu	Glu	Gly	Arg	Val	Asp	Phe	Glu	Asn	Val	Thr	Phe	Thr	
			180					185					190			
Tyr	Arg	Thr	Arg	Pro	His	Thr	Gln	Val	Leu	Gln	Asn	Val	Ser	Phe	Ser	
		195					200					205				
Leu	Ser	Pro	Gly	Lys	Val	Thr	Ala	Leu	Val	Gly	Pro	Ser	Gly	Ser	Gly	
	210					215					220					
Lys	Ser	Ser	Cys	Val	Asn	Ile	Leu	Glu	Asn	Phe	Tyr	Pro	Leu	Glu	Gly	
225					230					235					240	
Gly	Arg	Val	Leu	Leu	Asp	Gly	Lys	Pro	Ile	Ser	Ala	Tyr	Asp	His	Lys	
				245					250					255		
Tyr	Leu	His	Arg	Val	Ile	Ser	Leu	Val	Ser	Gln	Glu	Pro	Val	Leu	Phe	
			260					265					270			
Ala	Arg	Ser	Ile	Thr	Asp	Asn	Ile	Ser	Tyr	Gly	Leu	Pro	Thr	Val	Pro	
		275					280					285				
Phe	Glu	Met	Val	Val	Glu	Ala	Ala	Gln	Lys	Ala	Asn	Ala	His	Gly	Phe	
	290					295					300					
Ile	Met	Glu	Leu	Gln	Asp	Gly	Tyr	Ser	Thr	Glu	Thr	Gly	Glu	Lys	Gly	
305					310					315					320	
Ala	Gln	Leu	Ser	Gly	Gly	Gln	Lys	Gln	Arg	Val	Ala	Met	Ala	Arg	Ala	
				325					330					335		
Leu	Val	Arg	Asn	Pro	Pro	Val	Leu	Ile	Leu	Asp	Glu	Ala	Thr	Ser	Ala	
			340					345					350			

Leu Asp Ala Glu Ser Glu Tyr Leu Ile Gln Gln Ala Ile His Gly Asn
 355 360 365

Leu Gln Lys His Thr Val Leu Ile Ile Ala His Arg Leu Ser Thr Val
 370 375 380

Glu His Ala His Leu Ile Val Val Leu Asp Lys Gly Arg Val Val Gln
 385 390 395 400

Gln Gly Thr His Gln Gln Leu Leu Ala Gln Gly Gly Leu Tyr Ala Lys
 405 410 415

Leu Val Gln Arg Gln Met Leu Gly Leu Gln Pro Ala Ala Asp Phe Thr
 420 425 430

Ala Gly His Asn Glu Pro Val Ala Asn Gly Ser His Lys Ala
 435 440 445

<210> 353

<211> 35

<212> PRT

<213> Homo sapiens

<400> 353

Lys Phe Lys Gln Val Ile Lys Ser Phe Tyr Lys Ile His Leu Ala Lys
 1 5 10 15

Glu Ile Leu Ser Met Asn Ile Lys Leu Arg Lys Val Leu Tyr Val Phe
 20 25 30

Leu Val Asn
 35

<210> 354

<211> 27

<212> PRT

<213> Homo sapiens

<400> 354

Met Ala Ile Phe Cys Phe Ser Leu Cys Ser Leu Gly Ser Ile Leu Gly
 1 5 10 15

Lys Gly Met Ser Thr Phe Gly Ser Ile Ser Val
 20 25

<210> 355

<211> 99
 <212> PRT
 <213> Homo sapiens

<400> 355

Met	Gly	Arg	Val	Ser	Ile	Gln	Gln	Leu	Gly	Val	Leu	Val	Ala	Leu	Pro
1				5					10					15	
Val	Pro	Leu	Leu	Leu	Leu	Gly	Cys	Gly	Ser	Ala	Leu	His	Pro	Gly	Ala
		20						25					30		
Pro	Arg	Ser	Ile	Pro	His	Thr	Met	Pro	Ser	Thr	Arg	Glu	Val	Gly	Gln
		35					40					45			
Thr	Arg	Pro	Gly	Pro	Cys	Gln	Pro	Ser	Val	Pro	Arg	Phe	Ser	His	Trp
	50					55					60				
Leu	His	Arg	Met	Val	Ala	Phe	Ser	Leu	Pro	Thr	Ser	Gln	Ser	Cys	Ser
	65				70					75					80
Glu	Gly	Ala	Trp	Arg	Ser	Thr	Leu	Ser	His	Gln	Gly	Gln	Leu	Glu	Thr
				85					90					95	

Lys Ala Ile

<210> 356
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 356

Met	Gly	Arg	Val	Ser	Ile	Gln	Gln	Leu	Gly	Val	Leu	Val	Ala	Leu	Pro
1				5					10					15	
Val	Pro	Leu	Leu	Leu	Leu	Gly	Cys	Gly	Ser	Ala	Leu	His	Pro	Gly	Ala
		20						25					30		
Pro	Arg	Ser	Ile	Pro	His	Thr	Met	Pro	Ser	Thr	Arg	Glu	Val	Gly	Gln
		35					40					45			
Thr	Arg	Pro	Gly	Pro	Cys	Gln	Pro	Ser	Val	Pro	Arg	Phe	Ser	His	Trp
	50					55					60				
Leu	His	Arg	Met	Val	Ala	Phe	Ser	Leu	Pro	Thr	Ser	Gln	Ser	Cys	Ser
	65				70					75					80
Glu	Gly	Ala	Trp	Arg	Ser	Thr	Leu	Ser	His	Gln	Gly	Gln	Leu	Glu	Thr
				85					90					95	

Lys Ala Ile

<210> 357

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 357

Met Gly Arg Val Ser Ile Gln Gln Leu Gly Val Leu Val Ala Leu Pro
1 5 10 15

Val Pro Leu Leu Leu Leu Gly Cys Gly Ser Ala Leu His Pro Gly Ala
20 25 30

Pro Arg Ser Ile Pro His Thr Met Pro Ser Thr Arg Glu Val Gly Gln
35 40 45

Thr Arg Pro Gly Pro Cys Gln Pro Ser Val Pro Arg Phe Ser His Trp
50 55 60

Leu His Arg Met Val Ala Phe Ser Leu Pro Xaa Ser Gln Ser Cys Ser
65 70 75 80

Glu Gly Ala Trp Arg Ser Thr Leu Ser His Gln Gly Gln Leu Glu Thr
85 90 95

Lys Ala Ile

<210> 358

<211> 67

<212> PRT

<213> Homo sapiens

<400> 358

Pro Ile Pro Trp Leu Cys Pro Pro Ser Pro Thr Leu Pro Leu Leu Ser
1 5 10 15

Ile Phe Phe Leu Pro Thr His Pro Pro Pro Pro Ser Arg Arg Gly Gly
20 25 30

Leu Gly Arg Pro Arg Pro Ser Leu Glu Lys Pro Ser Leu Ser Ser Ala

	35		40		45										
Val	Val	Pro	Pro	Pro	Asn	Pro	Ile	Thr	Ala	Ala	His	Pro	Ile	Leu	Thr
	50					55						60			

Val Ile Leu
65

<210> 359
<211> 4
<212> PRT
<213> Homo sapiens

<400> 359
Ala Pro Arg Gly
1

<210> 360
<211> 71
<212> PRT
<213> Homo sapiens

<400> 360
Met Gln Asn Arg Ser Pro Ala Phe Cys Phe Leu Leu Met Tyr Leu Leu
1 5 10 15

Cys Thr Cys Val Thr Arg Val Leu Leu Ser Ile Ile Phe Asn Leu Ile
20 25 30

Arg Ala Tyr Leu Trp Ser Trp His Asp Val Thr Pro Cys Val Arg Val
35 40 45

Gly Ile Thr Pro Val Tyr Leu Phe Leu Ser Ser Ala Ala His Asn Ala
50 55 60

Arg His Ile Val Gly Thr Leu
65 70

<210> 361
<211> 71
<212> PRT
<213> Homo sapiens

<400> 361
Met Gln Asn Arg Ser Pro Ala Phe Cys Phe Leu Leu Met Tyr Leu Leu
1 5 10 15

Cys Thr Cys Val Thr Arg Val Leu Leu Ser Ile Ile Phe Asn Leu Ile
20 25 30

Arg Ala Tyr Leu Trp Ser Trp His Asp Val Thr Pro Cys Val Arg Val
35 40 45

Gly Ile Thr Pro Val Tyr Leu Phe Leu Ser Ser Ala Ala His Asn Ala
50 55 60

Arg His Ile Val Gly Thr Leu
65 70

<210> 362

<211> 51

<212> PRT

<213> Homo sapiens

<400> 362

Met Leu Gln Asp Leu Cys Leu Cys Leu Phe Ser Ser Phe Phe Leu Ser
1 5 10 15

Leu Phe Val Cys Leu Lys Val Gly Gln Lys Ile Leu Leu Leu Thr Asp
20 25 30

Phe Pro Trp Ser Ala Ala Val Lys Arg Ser Leu Ser Leu Leu Ser Phe
35 40 45

Leu Met Glu
50

<210> 363

<211> 51

<212> PRT

<213> Homo sapiens

<400> 363

Met Leu Gln Asp Leu Cys Leu Cys Leu Phe Ser Ser Phe Phe Leu Ser
1 5 10 15

Leu Phe Val Cys Leu Lys Val Gly Gln Lys Ile Leu Leu Leu Thr Asp
20 25 30

Phe Pro Trp Ser Ala Ala Val Lys Arg Ser Leu Ser Leu Leu Ser Phe
35 40 45

Leu Met Glu
50

<210> 364
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 364
 Ser Cys Phe Leu Ala Leu Lys Ser Ile Leu Ala Val Cys Gly Gly Ser
 1 5 10 15
 His Leu Pro Pro Ala Leu Trp Glu Ala Ser Gly Gly Gly Leu Val Pro
 20 25 30
 Asn Ser Cys Ser Pro Gly Asp Pro Xaa Val Leu Glu Arg Pro Pro Pro
 35 40 45
 Arg Trp Ser Ser Ser
 50

<210> 365
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 365
 Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
 1 5 10 15
 Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
 20 25 30
 Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
 35 40 45
 Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
 50 55 60
 Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg

65		70		75		80									
Cys	Ile	Thr	Ile	Pro	Lys	Asn	Met	His	Trp	Tyr	Ser	Pro	Pro	Glu	Arg
				85					90					95	

Xaa	Glu	Ser	Phe	Asp	Val	Val	Thr	Lys	Cys	Val	Ser	Ser	His
			100					105					110

<210> 366
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (148)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400>	366														
Arg	Xaa	Thr	Xaa	Xaa	His	Phe	Ala	Arg	Thr	Tyr	Pro	Gly	Ile	His	Leu
1				5					10					15	

Arg	Ile	Gly	Ser	Asp	Trp	Lys	Asn	Ala	Cys	Ala	Met	Leu	Lys	Asp	Gly
			20					25					30		

Thr	Ala	Gly	Ser	His	Phe	Met	Ala	Ser	Pro	Gln	Cys	Val	Gly	Tyr	Ser
		35					40					45			

Arg	Ser	Thr	Ala	Ala	Pro	Leu	Thr	Met	Thr	Met	Cys	Leu	Pro	Asp	Leu
	50					55					60				

Lys	Glu	Ile	Gln	Arg	Ala	Val	Lys	Leu	Trp	Val	Arg	Ser	Leu	Asp	Ala
65					70					75					80

Gln	Ser	Val	Tyr	Val	Ala	Thr	Asp	Ser	Glu	Ser	Tyr	Val	Pro	Glu	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

				85					90					95		
Gln	Gln	Leu	Phe	Lys	Gly	Lys	Val	Lys	Val	Val	Ser	Leu	Lys	Pro	Glu	
			100					105					110			
Val	Ala	Gln	Val	Asp	Leu	Tyr	Ile	Leu	Gly	Gln	Ala	Asp	His	Phe	Ile	
		115					120					125				
Gly	Asn	Cys	Val	Ser	Ser	Phe	Thr	Ala	Phe	Val	Lys	Arg	Glu	Arg	Asp	
	130					135					140					
Leu	Gln	Gly	Xaa	Pro	Ser	Ser	Phe	Phe	Gly	Met	Asp	Arg	Pro	Pro	Lys	
145					150					155					160	
Leu	Arg	Asp	Glu	Phe												
				165												

<210> 367
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 367																
Leu	Val	Leu	Trp	Thr	Arg	Phe	Tyr	Arg	Gly	Asp	Met	Ser	Leu	His	Ser	
1				5					10					15		
Ser	Pro	Thr	Leu	Pro	Thr	Ser	Leu	Tyr	Gln	Ser	Cys	Asp	Leu	Ser	Val	
			20					25					30			
Gly	Gly	Pro	Ser	Leu	Leu	Thr	Trp	Val	Trp	Arg	Arg	Glu	Arg	Arg	Cys	
		35					40					45				
Cys	Lys	Val	Phe	Ser	Val	Ser	His	Cys	Leu	Glu	Ala	Gly	Pro	Ala	Lys	
	50					55					60					
Ala	Trp	Ala	His	Ser	Cys	Thr	Gly	Ser	Pro	Arg	Gly	Arg	Thr	Gly	Trp	
65					70					75					80	
Gly	Ser	Arg	Ala	Cys	Glu	Ala	Leu	Gly	Lys	Gly	Met	Gly	Leu	Trp	Gly	
				85					90					95		
Arg	Gly	Gly	Met	Gly	Phe	Arg	Ser	Ile	Cys	Thr	Ile	Arg	Lys	Val	Leu	
			100					105					110			
Arg	Ser	Phe	Phe	Leu	Glu	Gly	Thr	Leu	Ser	Ser	Leu	Ser	Leu	Phe	Leu	
		115					120					125				
Asp	Leu	Gly	Leu	Glu	Leu	Arg	Met	Gly	Arg	Cys	Ala	Gln	Gly	Gly	Thr	
	130					135					140					

His Gln Ser Thr Arg Glu Gly Gly Tyr Leu Gly Val Ser Gln Gly Leu
 145 150 155 160

Cys Gln Cys Leu Gln Pro Thr Ser Arg Ser Leu Glu Phe Gly Glu Trp
 165 170 175

Gly

<210> 368

<211> 184

<212> PRT

<213> Homo sapiens

<400> 368

Met Asp Asn Arg Phe Ala Thr Ala Phe Val Ile Ala Cys Val Leu Ser
 1 5 10 15

Leu Ile Ser Thr Ile Tyr Met Ala Ala Ser Ile Gly Thr Asp Phe Trp
 20 25 30

Tyr Glu Tyr Arg Ser Pro Val Gln Glu Asn Ser Ser Asp Leu Asn Lys
 35 40 45

Ser Ile Trp Asp Glu Phe Ile Ser Asp Glu Ala Asp Glu Lys Thr Tyr
 50 55 60

Asn Asp Ala Leu Phe Arg Tyr Asn Gly Thr Val Gly Leu Trp Arg Arg
 65 70 75 80

Cys Ile Thr Ile Pro Lys Asn Met His Trp Tyr Ser Pro Pro Glu Arg
 85 90 95

Thr Glu Ser Phe Asp Val Val Thr Lys Cys Val Ser Phe Thr Leu Thr
 100 105 110

Glu Gln Phe Met Glu Lys Phe Val Asp Pro Gly Asn His Asn Ser Gly
 115 120 125

Ile Asp Leu Leu Arg Thr Tyr Leu Trp Arg Cys Gln Phe Leu Leu Pro
 130 135 140

Phe Val Ser Leu Gly Leu Met Cys Phe Gly Ala Leu Ile Gly Leu Cys
 145 150 155 160

Ala Cys Ile Cys Arg Ser Leu Tyr Pro Thr Ile Ala Thr Gly Ile Leu
 165 170 175

His Leu Leu Ala Asp Thr Met Leu
 180

<210> 369
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 369

Ser	Thr	His	Ala	Ser	Gly	Arg	Thr	Cys	Ala	Leu	Pro	Ala	Ala	Ala	Thr
1				5				10						15	
Pro	Arg	Arg	Val	Gly	Ala	Ala	Ala	Pro	Gly	Cys	Ala	Gln	Gly	Arg	Ala
			20					25					30		
Thr	Asp	Gly	Ala	Arg	Arg	Ala	Glu	Leu	Arg	Arg	Glu	Pro	Ala	Val	Val
		35					40					45			
Ala	His	Arg	His	Gly	His	Ala	Gly	Ala	His	Gln	Gly	Gly	Ala	Gln	Xaa
	50					55				60					
Ala	Ala	Gln	Pro	His	Arg	Arg	Leu	Gln	Val	Pro	Gln	Ala	Gln	Ala	Gly
65					70					75					80
Ala	His	Leu	Ala	Pro	Gly	Arg	Glu	Ser	Glu	Asp	Pro	Gln	Glu	Ser	Glu
				85					90					95	
His	Gly	Ala	Gly	Val	His	Gly	Glu	Pro	Ala	Ala	Arg	Ala	Gly	Gly	Ala
			100					105					110		
Xaa	Gln	Ala	Glu	Ser	Pro	Gln	Pro	Arg	Gln	Gln	Arg	Leu	Pro	Ala	Ala
		115					120					125			
Ala	Pro	Ala	Pro	Gly	Ala	Arg	Val	Leu	Ser	Pro	Arg	Ala	Gly	Arg	Met
	130					135					140				
Arg	Gly	His	Pro	Pro	Gln	Gly	Ala	Gly	Ser	Arg	Gly	Gly	Val	Val	Gly
145					150					155					160
Ala	Pro	Asp	Leu	Glu	Arg	Val	Arg	Pro	Trp	Gly	Pro	Pro	Leu	Pro	Glu
				165					170					175	

Cys Ala Gln Glu Leu Arg Glu Gly Ala Ala Pro Gly Asp Ser Pro Pro
180 185 190

Pro Arg Val Pro Arg Thr Arg Gln Ala Gly Pro Pro Ala Pro Gly Gly
195 200 205

Ala Ser Ala
210

<210> 370
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (166)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 370
Arg Pro Asp Leu Glu Arg Val Arg Pro Trp Xaa Pro Pro Leu Pro Glu
1 5 10 15

Cys Ala Gln Glu Leu Arg Glu Gly Ala Ala Pro Gly Ile Pro Pro Arg
20 25 30

Gly Cys Pro Gly Leu Gly Arg Gly Ala Pro Asp Ser Thr Ser Trp Thr
35 40 45

Pro Cys Ser Arg Gly Gly Glu Arg Met Thr Pro Pro Pro Ser Arg Cys
50 55 60

Leu Phe Pro Pro Arg Gly Arg Pro Val Leu His Lys Pro Ala Arg Leu
65 70 75 80

Gly Cys Pro Phe Val His Arg Ala Gly Lys Gly Ala Pro Arg Gly Arg
85 90 95

Ser Ser Lys Pro Cys Leu Ser Phe Thr Phe Thr Phe Phe Phe Xaa
100 105 110

Phe Gly Arg Glu Lys Asn Arg Val Phe Asp Ser Ala Leu Phe Met Phe
 115 120 125
 Leu Leu Gly Asn Lys Arg Trp Leu Cys Val Cys Val Phe Ser Cys Val
 130 135 140
 Gly Phe Leu Lys Lys Trp Glu Glu Glu Lys Lys Ile Leu Arg Pro Phe
 145 150 155 160
 Pro Arg Ser Arg Ser Xaa Leu Arg Phe Phe Arg Pro Val Pro Pro Pro
 165 170 175
 Phe Phe Val Leu Phe Cys Phe Val Leu Leu Arg Val His Ile Pro Val
 180 185 190
 Cys Asn Pro Trp Phe Ala Arg Phe Ser Val Phe Ser Lys Val Ser Leu
 195 200 205
 Arg Gln Lys Pro Arg Ala Glu Phe Leu Gly Leu Glu Gly Gln Asn Phe
 210 215 220
 Pro
 225

<210> 371
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 371
 Met Ile Pro Phe Phe Leu Val Trp Val Ser Phe Leu His Ser Phe Ser
 1 5 10 15
 Val Ala Cys Ile Leu Gly His His Glu Cys Phe Ala Phe Ser Leu Ala
 20 25 30
 Asp Asp Thr Ile Gly Thr Ala Trp His Gly Gly Lys Val Ser His Lys
 35 40 45
 Leu Thr Tyr Lys His Cys Gly Ser Arg Ala His Asp Tyr Leu Glu Gly
 50 55 60
 Glu Ser Leu Leu
 65

<210> 372
 <211> 62

<212> PRT
<213> Homo sapiens

<400> 372

Val Ile Pro Phe Tyr Ile His Tyr Phe Val Tyr Phe Asn Cys Phe Ile
1 5 10 15

Leu Val Thr Leu Pro Phe Lys Ile Phe Lys Leu Pro Ile Val Arg Cys
20 25 30

Gln Trp Glu Trp Thr Pro Asp Gly Gln Ile Tyr Lys Trp Gln Trp Leu
35 40 45

Asp Gln Thr Arg Thr Leu Glu Asp Gly Arg Val Gly Ala Lys
50 55 60

<210> 373
<211> 29
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Ile Pro Leu Trp Phe Ile Ser Val Ser Phe Xaa Met Xaa Arg Phe Thr
1 5 10 15

Ile Leu Asn Gln Tyr His Val Thr Cys Arg Cys Gln Asn
20 25

<210> 374
<211> 68
<212> PRT
<213> Homo sapiens

<400> 374

Met Ile Pro Phe Phe Leu Val Trp Val Ser Phe Leu His Ser Phe Ser
1 5 10 15

Val Ala Cys Ile Leu Gly His His Glu Cys Phe Ala Phe Ser Leu Ala

	20		25		30										
Asp	Asp	Thr	Ile	Gly	Thr	Ala	Trp	His	Gly	Gly	Lys	Val	Ser	His	Lys
	35						40					45			
Leu	Thr	Tyr	Lys	His	Cys	Gly	Ser	Arg	Ala	His	Asp	Tyr	Leu	Glu	Gly
	50					55					60				
Glu	Ser	Leu	Leu												
	65														

<210> 375
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 375															
Leu	Leu	Ser	Ala	Met	Leu	Pro	Gly	Glu	Asn	Glu	Ile	Val	Ala	Trp	Ile
1				5					10					15	
Asn	Glu	Ser	Val	Cys	Val	Ala	Arg	Ser	Gly	Leu	Ala	Leu	Asp	Val	Asp
			20					25					30		
Gly	Ala	Pro	Ala	Leu	Ser	Pro	Gln	Leu	Xaa	Ser	Xaa	Lys	Ile	Ser	Asn
	35						40					45			
Leu	Glu	Glu	Asn	Gly	Arg	Thr	Val	Glu							
	50					55									

<210> 376
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 376															
Met	Ala	Leu	Val	Val	Glu	Ala	Val	Ile	Ile	Ile	Phe	Ile	Glu	Cys	Gln
1				5					10					15	

Ala Leu Cys Ile Ile Leu Ser Ser Ser His Ile Asn Arg Arg Arg Gln
 20 25 30

Val Val Ile Ala Pro Phe Gly Glu Ser Glu Asn
 35 40

<210> 377
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 377
 Ser Ala Cys Phe Cys Cys Ala Ala Ser Ser Leu Phe Ser Ser Phe Ser
 1 5 10 15

Ile Val Ser Pro Leu Trp Lys Lys
 20

<210> 378
 <211> 477
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (152)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (203)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (459)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (463)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (468)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 378
 Met Val Asn Ala Cys Trp Cys Gly Leu Leu Ala Ala Leu Ser Leu Leu
 1 5 10 15
 Leu Asp Ala Ser Thr Asp Glu Ala Ala Thr Glu Asn Ile Leu Lys Ala
 20 25 30
 Glu Leu Thr Met Ala Ala Leu Cys Gly Lys Leu Gly Leu Val Thr Ser
 35 40 45
 Xaa Asn Ala Phe Ile Thr Ala Ile Xaa Lys Gly Ser Leu Pro Pro His
 50 55 60
 Tyr Ala Leu Thr Val Leu Asn Thr Thr Thr Ala Ala Thr Leu Ser Asn
 65 70 75 80
 Lys Ser Tyr Ser Val Gln Gly Gln Ser Val Met Met Ile Ser Pro Ser

85					90					95					
Ser	Glu	Ser	His	Gln	Gln	Val	Val	Xaa	Val	Gly	Gln	Xaa	Leu	Ala	Val
			100					105					110		
Gln	Pro	Gln	Gly	Thr	Val	Met	Leu	Thr	Ser	Lys	Asn	Ile	Gln	Cys	Met
		115					120					125			
Arg	Thr	Leu	Leu	Asn	Leu	Ala	His	Cys	His	Gly	Ala	Val	Leu	Gly	Thr
	130					135					140				
Ser	Trp	Gln	Leu	Val	Leu	Ala	Xaa	Leu	Gln	His	Leu	Val	Trp	Ile	Leu
145					150					155					160
Gly	Leu	Lys	Pro	Ser	Ser	Gly	Gly	Ala	Leu	Lys	Pro	Gly	Arg	Ala	Val
				165					170					175	
Glu	Gly	Pro	Ser	Thr	Val	Leu	Thr	Thr	Ala	Val	Met	Thr	Asp	Leu	Pro
			180					185					190		
Val	Xaa	Ser	Asn	Xaa	Xaa	Ser	Arg	Leu	Phe	Xaa	Ser	Ser	Gln	Tyr	Leu
		195					200						205		
Asp	Asp	Val	Ser	Leu	His	His	Leu	Ile	Asn	Ala	Leu	Cys	Ser	Leu	Ser
	210					215					220				
Leu	Glu	Ala	Met	Asp	Met	Ala	Tyr	Gly	Asn	Asn	Lys	Glu	Pro	Ser	Leu
225					230					235					240
Phe	Ala	Val	Ala	Lys	Leu	Leu	Glu	Thr	Gly	Leu	Val	Asn	Met	His	Arg
				245					250					255	
Ile	Glu	Ile	Leu	Trp	Arg	Pro	Leu	Thr	Gly	His	Leu	Leu	Glu	Val	Cys
			260					265					270		
Gln	His	Pro	Asn	Ser	Arg	Met	Arg	Glu	Trp	Gly	Ala	Glu	Ala	Leu	Thr
		275					280					285			
Ser	Leu	Ile	Lys	Ala	Gly	Leu	Thr	Phe	Asn	His	Asp	Pro	Pro	Leu	Ser
	290					295					300				
Gln	Asn	Gln	Arg	Leu	Gln	Leu	Leu	Leu	Leu	Asn	Pro	Leu	Lys	Glu	Met
305					310					315					320
Ser	Asn	Ile	Asn	His	Pro	Asp	Ile	Arg	Leu	Lys	Gln	Leu	Glu	Cys	Val
				325					330					335	
Leu	Gln	Ile	Leu	Gln	Ser	Gln	Gly	Asp	Ser	Leu	Gly	Pro	Gly	Trp	Pro
			340				345						350		
Leu	Val	Leu	Gly	Val	Met	Gly	Ala	Ile	Arg	Asn	Asp	Gln	Gly	Glu	Ser
		355					360					365			

Leu Ile Arg Thr Ala Phe Gln Cys Leu Gln Leu Val Val Thr Asp Phe
 370 375 380

Leu Pro Thr Met Pro Cys Thr Cys Leu Gln Ile Val Val Asp Val Ala
 385 390 395 400

Gly Ser Phe Gly Leu His Asn Gln Glu Leu Asn Ile Ser Leu Thr Ser
 405 410 415

Ile Gly Leu Leu Trp Asn Ile Ser Asp Tyr Phe Phe Gln Arg Gly Glu
 420 425 430

Thr Ile Glu Lys Glu Leu Asn Lys Glu Glu Ala Ala Gln Gln Lys Gln
 435 440 445

Ala Glu Glu Lys Gly Val Gly Leu Asn Arg Xaa Phe His Pro Xaa Pro
 450 455 460

Ala Phe Asp Xaa Trp Gly Tyr Ala Leu Cys Lys Ile Gly
 465 470 475

<210> 379

<211> 29

<212> PRT

<213> Homo sapiens

<400> 379

Asn Ser Gln Tyr Phe Thr Thr Asn Ile Ala Leu Met Phe Leu Phe Lys
 1 5 10 15

Lys Lys Lys Val Tyr Gly Cys Leu His Leu Ser Thr Val
 20 25

<210> 380

<211> 70

<212> PRT

<213> Homo sapiens

<400> 380

Met His Leu Asn Val Gln Tyr Cys Thr Ile His Leu Ile Leu Leu Leu
 1 5 10 15

Leu Phe Ile Thr Arg His Tyr Ala Tyr Gln Trp Thr Phe Gln Val Gly
 20 25 30

Gly Leu Thr Val Ala Ser Ser Val Val Trp Gln His Pro Ser Ala Val
 35 40 45

Ser Ile Tyr Thr Leu Leu Tyr Ile Tyr Ala Pro His Gln Gly Ser Thr
50 55 60

Gly Thr Arg Arg His Cys
65 70

<210> 381
<211> 67
<212> PRT
<213> Homo sapiens

<400> 381
Leu Gln Glu Phe Gly Thr Ser Gly Thr Ser Ala Asn Thr Thr Ala Val
1 5 10 15

Ala Leu Asn Ala Pro Ala His Pro Ala Arg Leu Leu Pro Pro Gly Pro
20 25 30

Ala Val Ala Leu Leu Leu Leu Arg Gly Ser Cys Ser Leu Cys Cys Cys
35 40 45

His Gln Pro His Lys Ala Ser Cys Lys Ala Met Pro Ser Ala Gly Ser
50 55 60

Asn Val Pro
65

<210> 382
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382
Met Gly Cys Cys Ser Lys Lys Tyr Trp Gln Leu Leu Leu Gly Ala Ala
1 5 10 15

Pro Trp Gly Val Ile Pro Xaa Leu Leu Leu Trp Met Gly Thr Arg Ala

	20		25		30										
Pro	His	Phe	Lys	Asp	Ser	Val	Ser	Gln	Gly	Leu	Pro	Xaa	Lys	Ala	Glu
		35					40					45			
Glu	Ser	Arg	Ala	Asn	Phe	Asn	Gln	Phe	Leu	Val	Leu	Leu	Met	Pro	Lys
	50					55					60				
Glu	Met	Ile	Val	Leu	Thr	Ile	Val	His	Pro	Ile	Val	Arg	Arg	Ala	
	65					70				75					

<210> 383
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 383															
Met	Phe	Leu	Val	Ser	Pro	Ser	Val	Ser	Ser	Val	Val	Ser	Ser	Leu	Leu
1				5					10					15	
Ser	Ile	Phe	Trp	Leu	Met	His	Leu	Gly	Gln	Val	Trp	Leu	Gly	Ser	Met
			20					25					30		
Glu	Thr	His	Pro	Ile	Thr	Ser									
				35											

<210> 384
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 384															
Met	Phe	Leu	Val	Ser	Pro	Ser	Val	Ser	Ser	Val	Val	Ser	Ser	Leu	Leu
1				5					10					15	
Ser	Ile	Phe	Trp	Leu	Met	His	Leu	Gly	Gln	Val	Trp	Leu	Gly	Ser	Met
			20					25					30		
Glu	Thr	His	Pro	Ile	Thr	Ser									
				35											

<210> 385
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 385

Met Phe Leu Val Ser Pro Ser Val Ser Ser Val Val Ser Ser Leu Leu
1 5 10 15

Ser Ile Phe Trp Leu Met His Leu Gly Gln Val Trp Leu Gly Ser Met
20 25 30

Glu Thr His Pro Ile Thr Ser
35

<210> 386

<211> 198

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (196)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 386

Pro Asp Pro Asn Ala Arg Arg Gly Xaa Asn Ala Xaa Ser Thr Arg Thr
1 5 10 15

Asp His Glu His Arg Thr Tyr Arg Leu Tyr Arg Arg Pro Ser Arg Phe
20 25 30

Arg Asp Ser Pro Ala Gln Arg Pro Tyr Pro Ala Ala Gly Tyr Val Glu
35 40 45

Thr Val Ala Arg Ala His Glu Ala Ala Gly Phe Asp Arg Ala Leu Val
 50 55 60
 Ala Phe His Ser Asn Ser Pro Asp Ser Thr Leu Ile Ala Ala His Ala
 65 70 75 80
 Ala Ser Val Thr Gln Lys Leu Gln Phe Leu Ile Ala His Arg Pro Gly
 85 90 95
 Xaa Ala Gln Pro Thr Leu Ala Ala Arg Gln Phe Ala Thr Leu Asp Val
 100 105 110
 Phe Asn Gly Gly Arg Thr Ala Val His Ile Ile Thr Gly Gly Asp Asp
 115 120 125
 Arg Glu Leu Arg Ala Asp Gly Ser His Ile Gly Lys Asp Glu Arg Tyr
 130 135 140
 Ala Arg Thr Asp Glu Tyr Leu Ser Val Val Arg Gln Glu Trp Thr His
 145 150 155 160
 Glu Gln Pro Xaa Asp Phe Lys Gly Thr Tyr Tyr Gln Val Glu Gly Ala
 165 170 175
 His Ser Thr Val Lys Ser Pro Gln Gln Pro His Ile Pro Leu Tyr Phe
 180 185 190
 Gly Gly Ser Xaa Arg Gly
 195

<210> 387
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 387
 Glu Leu Gly Arg Leu Arg His Pro Thr Gln Gly Lys Pro Ala Cys His
 1 5 10 15
 Ile Glu Cys Thr Ala Leu Ile Lys Phe Thr His Asp Asn Ser Ala Phe
 20 25 30
 Tyr Asn

<210> 388
 <211> 207
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 388

Met	Arg	Pro	Trp	Arg	Phe	Gly	Trp	Pro	Arg	Thr	Leu	Ala	Ser	Gln	Leu
1				5				10					15		

Ser	Leu	Ile	Phe	Leu	Ile	Ser	Leu	Val	Cys	Ala	His	Gly	Leu	Ser	Phe
		20						25					30		

Ser	Ala	Gln	Phe	Tyr	Glu	Arg	Tyr	Ile	Ser	Ala	Arg	Thr	Val	Met	Leu
	35						40					45			

Gly	Asn	Leu	Glu	Asn	Asp	Val	Ser	Thr	Ser	Val	Ala	Ile	Leu	Asp	Arg
50						55					60				

Leu	Pro	Ala	Asn	Glu	Arg	Ala	Ile	Gly	Trp	Arg	Val	Leu	Arg	Pro	Ala
65					70					75				80	

Glu	Leu	Pro	Val	Leu	Leu	Asn	Ala	Gly	Glu	Ala	Gly	Glu	Pro	Met	Thr
				85					90					95	

Ser	Asn	Asp	Val	Pro	Met	Ala	Ala	Xaa	Phe	Asp	Cys	Gly	Xaa	Xaa	Gly
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

	100		105		110										
Arg	Ala	Leu	Xaa	Pro	Asp	Leu	Ser	Arg	Tyr	Ser	Arg	His	Pro	Glu	Thr
	115					120						125			
Xaa	Pro	Gly	Ala	Xaa	Asp	Pro	Gly	Arg	Trp	Gln	Pro	Asp	His	Pro	Arg
	130					135					140				
Arg	Thr	Pro	Arg	Arg	Pro	Ala	Arg	Ser	Leu	Leu	Val	Ala	Gly	Gly	Ala
145					150					155					160
Gly	Ala	Ala	Thr	Gly	Ala	Ala	Ala	Arg	Leu	His	Leu	Gly	Arg	Gly	Ala
				165					170					175	
Pro	Gly	Arg	Ala	Pro	Ala	Asp	Thr	Pro	Gly	Pro	Cys	Gly	Arg	Asn	Pro
			180					185					190		
Arg	Pro	Glu	Arg	Ser	Pro	His	Thr	Pro	Gly	Arg	Asn	Arg	Pro	Glu	
	195						200					205			

<210> 389

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 389

Gly	Trp	Pro	Arg	Trp	Arg	Arg	Glu	Arg	Cys	Ala	Asn	Thr	Pro	Xaa	Val
1				5					10					15	

Xaa Leu

<210> 390

<211> 435

<212> PRT

<213> Homo sapiens

<400> 390

275		280		285											
Thr	Glu	Ala	Ser	His	Arg	Ile	Asp	Leu	Asp	Ala	Phe	Leu	Asp	Ser	Leu
290						295					300				
Val	Phe	Asp	Tyr	Gln	Asp	Met	Gln	Lys	Gln	Val	Ser	Leu	Arg	Gly	Lys
305					310					315					320
Ser	Ala	Leu	Ile	Leu	Asp	Thr	Arg	Pro	His	Ala	Leu	Arg	Arg	Val	Leu
				325					330					335	
Val	Asn	Leu	Val	Asp	Asn	Ala	Leu	Lys	Phe	Ala	Gly	Asn	Ala	Glu	Leu
		340						345					350		
Glu	Val	Gly	Ser	Thr	Ala	Asn	Gly	Gln	Leu	Ser	Ile	Lys	Val	Leu	Asp
		355					360					365			
Gln	Gly	Pro	Gly	Ile	Ala	Glu	Asp	Glu	Leu	Ala	Gln	Val	Leu	Gln	Pro
	370					375					380				
Phe	Tyr	Arg	Val	Glu	Ser	Ser	Arg	Asn	Arg	Gly	Thr	Gly	Gly	Thr	Gly
385					390					395					400
Leu	Gly	Leu	Ala	Ile	Ala	Gln	Gln	Leu	Ala	Val	Ala	Ile	Gly	Gly	Thr
			405					410					415		
Leu	Thr	Leu	Ser	Asn	Arg	Val	Glu	Gly	Gly	Leu	Cys	Ala	Glu	Ile	Arg
		420						425					430		
Leu	Ser	Leu													
	435														

<210> 391
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 391
 Cys Lys Trp Val Gln Asn Gly Gly His Pro Asn Val Glu Ser Ser Lys
 1 5 10 15
 Tyr His Cys His Glu Pro Lys Ala Ser Leu Tyr Thr Leu Glu Glu Ser
 20 25 30
 Thr Leu

<210> 392

<211> 28
<212> PRT
<213> Homo sapiens

<400> 392
Leu Leu Leu Cys Lys Phe Lys Lys Val Asn Tyr Phe Leu Lys Val Leu
1 5 10 15
Ile Ser Asn Phe Ser Ile Trp Ala Tyr Asp His His
20 25

<210> 393
<211> 36
<212> PRT
<213> Homo sapiens

<400> 393
Met Ala Gly His Pro Thr Leu Ile Leu Leu Cys Lys Trp Ala Phe His
1 5 10 15
Leu Thr Gly Ala Ile Cys Glu Pro Tyr Leu Asn Gln Thr Leu Pro Thr
20 25 30
Gln Ala Cys Leu
35

<210> 394
<211> 36
<212> PRT
<213> Homo sapiens

<400> 394
Met Ala Gly His Pro Thr Leu Ile Leu Leu Cys Lys Trp Ala Phe His
1 5 10 15
Leu Thr Gly Ala Ile Cys Glu Pro Tyr Leu Asn Gln Thr Leu Pro Thr
20 25 30
Gln Ala Cys Leu
35

<210> 395
<211> 41
<212> PRT
<213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 395
 Met Trp Leu Met Leu Ile Leu Ser Leu Thr Ser Gly Glu Thr Xaa Ala
 1 5 10 15
 Leu Arg Gly Cys Cys Ser Ser Ser Trp Thr Tyr Gly Glu Ser Ala Ala
 20 25 30
 Gly Pro Ala Asp Gln Ala Pro Cys Leu
 35 40

<210> 396
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 396
 Met Trp Leu Met Leu Ile Leu Ser Leu Thr Ser Gly Glu Thr Glu Ala
 1 5 10 15
 Leu Arg Gly Cys Cys Ser Ser Ser Trp Thr Tyr Gly Glu Ser Ala Ala
 20 25 30
 Gly Pro Ala Asp Gln Ala Pro Cys Leu
 35 40

<210> 397
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 397
 Ile Phe Ala Leu Ser Leu Ser Phe Tyr Thr Cys Ile His Ile His Thr
 1 5 10 15
 His Arg His Thr
 20

<210> 398
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 398

Met	Cys	Thr	Leu	Phe	Val	Leu	Ala	Val	Leu	Leu	Pro	Val	Leu	Phe	Leu	
1				5					10					15		
Leu	Tyr	Arg	His	Arg	Asn	Ser	Met	Lys	Val	Phe	Leu	Lys	Gln	Gly	Glu	
			20					25					30			
Cys	Ala	Ser	Val	His	Pro	Lys	Thr	Cys	Pro	Val	Val	Leu	Pro	Pro	Glu	
		35					40					45				
Thr	Arg	Pro	Leu	Asn	Gly	Leu	Gly	Pro	Pro	Ser	Thr	Pro	Leu	Asp	His	
	50					55					60					
Arg	Gly	Tyr	Gln	Ser	Leu	Ser	Asp	Ser	Pro	Pro	Gly	Ala	Arg	Val	Phe	
65					70					75					80	
Thr	Glu	Ser	Glu	Lys	Arg	Pro	Leu	Ser	Ile	Gln	Asp	Ser	Phe	Val	Glu	
				85					90					95		
Val	Ser	Pro	Val	Cys	Pro	Arg	Pro	Arg	Val	Arg	Leu	Gly	Ser	Glu	Ile	
			100					105					110			
Arg	Asp	Ser	Val	Val												
		115														

<210> 399

<211> 183

<212> PRT

<213> Homo sapiens

<400> 399

Met	Met	Asn	Val	Ser	Lys	Ile	Ser	Phe	Phe	Ala	Met	Phe	Leu	Met	Tyr	
1				5					10					15		
Leu	Leu	Ala	Ala	Leu	Phe	Gly	Tyr	Leu	Thr	Phe	Tyr	Glu	His	Val	Glu	
			20					25					30			
Ser	Glu	Leu	Leu	His	Thr	Tyr	Ser	Ser	Ile	Leu	Gly	Thr	Asp	Ile	Leu	
		35					40					45				
Leu	Leu	Ile	Val	Arg	Leu	Ala	Val	Leu	Met	Ala	Val	Thr	Leu	Thr	Val	
	50					55					60					
Pro	Val	Val	Ile	Phe	Pro	Ile	Arg	Ser	Ser	Val	Thr	His	Leu	Leu	Cys	
65					70					75					80	
Ala	Ser	Lys	Asp	Phe	Ser	Trp	Trp	Arg	His	Ser	Leu	Ile	Thr	Val	Ser	
				85					90					95		

Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
 100 105 110
 Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160
 Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
 165 170 175
 Asn Ala Pro Gly Gly Gly His
 180

<210> 400
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 400
 Met Val Ser Lys His Ser Leu Asn Leu His Phe Phe Tyr Trp Lys Gly
 1 5 10 15
 Gly Cys Ala Cys Phe Thr Ser Glu Pro Arg Val Phe Val Val Val Glu
 20 25 30
 Leu Ser Leu Leu Asp Cys
 35

<210> 401
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 401
 Met Val Ser Lys His Ser Leu Asn Leu His Phe Phe Tyr Trp Lys Gly
 1 5 10 15
 Gly Cys Ala Cys Phe Thr Ser Glu Pro Arg Val Phe Val Val Val Glu
 20 25 30
 Leu Ser Leu Leu Asp Cys
 35

<210> 402
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 402
 Ile Gly Pro Leu Leu Val Tyr Val Ser Xaa Thr His Glu Ser Leu Lys
 1 5 10 15
 Leu Trp Gln Leu Lys Glu Thr Leu Ile Gln Ser Phe Pro Ala Leu Val
 20 25 30
 Arg Ser Leu Gly Pro Gly Leu Leu Phe Gly Pro Pro Ile Ala Thr Gly
 35 40 45
 Xaa Thr Gln Ala Gly Asp Met Ala Asp Lys Ser Gln Ala Gly Pro Arg
 50 55 60
 Gly Ser Val Ser Ser Val Ala Trp Gly Pro Phe Pro Gly Gly Ser Gly
 65 70 75 80
 Ala Leu Ala Phe Cys Pro Leu Ile Leu Arg Ser His
 85 90

<210> 403
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 403
 Met His Ile Phe Thr Ile Leu Tyr Pro Ile Ser Glu Gly Phe Phe Lys
 1 5 10 15
 Ile Phe Asn Phe Ile Val Phe Phe
 20

<210> 404
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 404
 Xaa Ser Gly Asp Leu Pro Thr Ser Ala Phe Pro Lys Cys Trp Asp Tyr
 1 5 10 15
 Arg Pro Glu Pro Pro Cys Pro Ala Gln Ala Gln Thr Ser Val Leu Cys
 20 25 30
 Val Thr Ser Trp Ser Arg Leu Thr Val Ser Thr Leu Thr Ser Thr Ser
 35 40 45
 Gln Ala Glu Gly Val Arg Ala Leu Pro Ile Trp Pro Ser Ser Gln Val
 50 55 60
 Cys Ser Ile Gln Pro
 65

<210> 405
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 405
 Ser Gln Gln Thr Leu Leu Ile Arg Pro Cys Cys Asn Lys Gln Thr Pro
 1 5 10 15
 Ile Thr Asn His Pro His Cys Thr Gly Gly Gly His Gly Lys His Lys
 20 25 30
 Gln Thr Leu Pro Thr Pro Ser Cys Asn Lys Arg His Lys Val Ile Cys
 35 40 45
 Ser Lys Ile Asn Gln Gln Thr Thr Pro Gly Cys Gly His Thr Lys Glu
 50 55 60
 Leu His Gln Thr Pro Leu Pro Asn Ile Asn Pro Ser Phe Cys Lys Leu
 65 70 75 80
 Gly Ala Thr Ser Ser Leu Thr Val Lys Gly Ala Ala Ser Arg Leu Ile
 85 90 95

Lys Ser Tyr Leu Pro Lys Lys Lys Lys Lys Lys Asn Ser Arg
100 105 110

<210> 406

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 406

Met Val Phe Phe Gln Ile Gln Ser Leu Leu Ser Phe Leu Ala Ser Ser
1 5 10 15

Leu Ser Ile Ile Phe Leu Leu Pro Arg Cys Leu Ile Pro Pro Ala Asn
20 25 30

Gly Thr Ala Gly Ser Ser Cys Ser Glu Phe Gln Thr Leu His Thr Phe
35 40 45

His Pro Gln Ala Ser Cys Ala His Ala Gly Pro Ser Asn Leu Tyr Thr
50 55 60

Phe Leu Xaa Leu Phe Asp Leu Ser Ala Lys Val Ser Pro Leu Met
65 70 75

<210> 407

<211> 79

<212> PRT

<213> Homo sapiens

<400> 407

Met Val Phe Phe Gln Ile Gln Ser Leu Leu Ser Phe Leu Ala Ser Ser
1 5 10 15

Leu Ser Ile Ile Phe Leu Leu Pro Arg Cys Leu Ile Pro Pro Ala Asn
20 25 30

Gly Thr Ala Gly Ser Ser Cys Ser Glu Phe Gln Thr Leu His Thr Phe
35 40 45

His Pro Gln Ala Ser Cys Ala His Ala Gly Pro Ser Asn Leu Tyr Thr
50 55 60

Phe Leu Arg Leu Phe Asp Leu Ser Ala Lys Val Ser Pro Leu Met

65

70

75

<210> 408

<211> 325

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (234)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 408

Val	Pro	Pro	Ala	Val	Cys	Pro	Ala	Gly	Xaa	Phe	Cys	Gln	Asn	Gln	Cys
1				5					10					15	

Phe	Thr	Lys	Arg	Gln	Tyr	Pro	Glu	Thr	Lys	Ile	Ile	Lys	Thr	Asp	Gly
			20					25					30		

Lys	Gly	Trp	Gly	Leu	Val	Ala	Lys	Arg	Asp	Ile	Arg	Lys	Gly	Glu	Phe
		35					40					45			

Val	Asn	Glu	Tyr	Val	Gly	Glu	Leu	Ile	Asp	Glu	Glu	Glu	Cys	Met	Ala
	50					55					60				

Arg	Ile	Lys	His	Ala	His	Glu	Asn	Asp	Ile	Thr	His	Phe	Tyr	Met	Leu
65					70					75					80

Thr	Ile	Asp	Lys	Asp	Arg	Ile	Ile	Asp	Ala	Gly	Pro	Lys	Gly	Asn	Tyr
				85					90					95	

Ser	Arg	Phe	Met	Asn	His	Ser	Cys	Gln	Pro	Asn	Cys	Glu	Thr	Leu	Lys
			100					105					110		

Trp	Thr	Val	Asn	Gly	Asp	Thr	Arg	Val	Gly	Leu	Phe	Ala	Val	Cys	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115	120	125																			
Ile	Pro	Ala	Gly	Thr	Glu	Leu	Xaa	Phe	Asn	Tyr	Asn	Leu	Asp	Cys	Leu						
	130					135					140										
Gly	Asn	Glu	Lys	Thr	Val	Cys	Arg	Cys	Gly	Ala	Ser	Asn	Cys	Ser	Gly						
145					150				155						160						
Phe	Leu	Gly	Asp	Arg	Pro	Lys	Thr	Ser	Thr	Thr	Leu	Ser	Ser	Glu	Glu						
				165					170						175						
Lys	Gly	Lys	Lys	Thr	Lys	Lys	Lys	Thr	Xaa	Arg	Arg	Arg	Ala	Lys	Gly						
			180					185						190							
Glu	Gly	Lys	Arg	Gln	Ser	Glu	Asp	Glu	Cys	Phe	Arg	Cys	Gly	Asp	Gly						
		195					200						205								
Gly	Gln	Leu	Val	Leu	Cys	Asp	Arg	Lys	Phe	Cys	Thr	Lys	Ala	Tyr	His						
	210					215						220									
Leu	Ser	Cys	Leu	Gly	Leu	Gly	Lys	Arg	Xaa	Phe	Gly	Lys	Trp	Glu	Cys						
225					230						235					240					
Pro	Trp	His	His	Cys	Asp	Val	Cys	Gly	Lys	Pro	Ser	Thr	Ser	Phe	Cys						
				245						250					255						
His	Leu	Cys	Pro	Asn	Ser	Phe	Cys	Lys	Glu	His	Gln	Asp	Gly	Thr	Ala						
			260						265					270							
Phe	Ser	Cys	Thr	Pro	Asp	Gly	Arg	Ser	Tyr	Cys	Cys	Glu	His	Asp	Leu						
		275						280					285								
Gly	Ala	Ala	Ser	Val	Arg	Ser	Thr	Lys	Thr	Glu	Lys	Pro	Pro	Pro	Glu						
	290						295					300									
Pro	Gly	Lys	Pro	Lys	Gly	Lys	Arg	Arg	Arg	Arg	Arg	Gly	Trp	Arg	Arg						
305					310						315					320					
Val	Thr	Glu	Gly	Lys																	
				325																	

<210> 409

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (129)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 409
 Met Thr Thr Trp Ser Cys Leu Val Ala Met Ile Val Ser Gly Val Ile
 1 5 10 15

Thr Ala Val Trp Ala Val Arg Ala Ala Pro Ile Trp Arg Ser Gln Val
 20 25 30

Lys Gln Lys Met Arg Ile Gly Lys Gln Gly Asn Cys Arg Pro Pro Arg
 35 40 45

Cys Ile Cys Ser Ala Leu Gly Leu Leu Ala Pro Trp Met Ala Val Val
 50 55 60

Leu Ser Gln Leu Ser Val Arg Cys Val Val Ser Trp Val Gln Gly Lys
 65 70 75 80

Pro Ser Ser Pro Arg Pro Arg Gly Ser Ala Ala Ser Pro Ala Pro Gly
 85 90 95

Ala Thr Pro Pro Thr Pro Arg Lys Pro Val Ser Trp Leu Gly Tyr Arg
 100 105 110

Glu Asn His Arg Pro Lys Lys Pro Lys Ser Xaa Thr Arg Cys Leu Val
 115 120 125

Xaa Gln Asn Trp Ser Leu Pro Pro Ile Ser Lys Asp Arg Thr Ala Gly
 130 135 140

Xaa Xaa Asp Thr Asn Arg Thr Arg Arg Ser Gly Leu Xaa Leu Arg Leu
 145 150 155 160

Gly

<210> 410
<211> 57
<212> PRT
<213> Homo sapiens

<400> 410
Arg Pro Val Ser Thr Lys Lys Lys Lys Val Ser Trp Ala Trp Trp Cys
1 5 10 15
Thr Ser Ile Ala Pro Ala Thr Leu Glu Ala Lys Val Arg Gly Leu Leu
20 25 30
Glu Pro Gly Arg Ser Val Ser Ala Val Ser Cys Asp Pro Ala Asn Ala
35 40 45
Leu Ser Leu Gly Ser Val Arg Pro Cys
50 55

<210> 411
<211> 58
<212> PRT
<213> Homo sapiens

<400> 411
Val Leu Cys Leu Gln Ile Tyr Cys Gln Thr Arg Phe Ser Ser Ser Leu
1 5 10 15
Ser Thr Ser Phe Thr Val Leu Asn Cys Met Tyr Arg Ser Val Ile Leu
20 25 30
Ser Glu Leu Thr Phe Val Lys Asp Lys Arg Ser Val Leu Asp Arg Tyr
35 40 45
Phe Pro Phe Ala Cys Gly Cys Pro Ala Pro
50 55

<210> 412
<211> 141
<212> PRT
<213> Homo sapiens

<400> 412
Met Lys Ser Thr Leu Ser Ile Phe Ser Leu Trp Val Met Ile Phe Val

1		5		10		15											
Leu	Cys	Leu	Gln	Ile	Tyr	Cys	Gln	Thr	Arg	Phe	Ser	Ser	Ser	Leu	Ser		
			20					25						30			
Thr	Ser	Phe	Thr	Val	Leu	Asn	Cys	Met	Tyr	Arg	Ser	Val	Ile	Leu	Ser		
		35					40					45					
Glu	Leu	Thr	Phe	Val	Lys	Asp	Lys	Arg	Ser	Val	Leu	Asp	Arg	Leu	Phe		
	50					55					60						
Phe	Leu	Leu	His	Val	Val	Val	Gln	His	His	Glu	Asp	Ser	Ser	Phe	Ser		
65					70					75					80		
Thr	Glu	Leu	Ser	Leu	Tyr	Phe	Cys	Gln	Arg	Ser	Asp	Leu	Pro	Leu	Lys		
				85					90					95			
Ser	Leu	Ser	Asn	Leu	Ser	Thr	Ser	His	His	Leu	His	Phe	Gln	Ser	Leu		
			100					105					110				
Arg	Thr	Arg	Gly	Arg	Thr	Arg	Gly	Ser	Thr	Arg	Glu	Phe	Arg	Thr	Gly		
		115					120					125					
Thr	Cys	Arg	Arg	Thr	Ser	Phe	Pro	Tyr	Ser	Glu	Ser	Tyr					
	130					135					140						

<210> 413

<211> 141

<212> PRT

<213> Homo sapiens

<400> 413

Met	Lys	Ser	Thr	Leu	Ser	Ile	Phe	Ser	Leu	Trp	Val	Met	Ile	Phe	Val		
1				5					10					15			
Leu	Cys	Leu	Gln	Ile	Tyr	Cys	Gln	Thr	Arg	Phe	Ser	Ser	Ser	Leu	Ser		
			20					25						30			
Thr	Ser	Phe	Thr	Val	Leu	Asn	Cys	Met	Tyr	Arg	Ser	Val	Ile	Leu	Ser		
		35					40					45					
Glu	Leu	Thr	Phe	Val	Lys	Asp	Lys	Arg	Ser	Val	Leu	Asp	Arg	Leu	Phe		
	50					55					60						
Phe	Leu	Leu	His	Val	Val	Val	Gln	His	His	Glu	Asp	Ser	Ser	Phe	Ser		
65					70					75					80		
Thr	Glu	Leu	Ser	Leu	Tyr	Phe	Cys	Gln	Arg	Ser	Asp	Leu	Pro	Leu	Lys		
				85					90					95			

Ser Leu Ser Asn Leu Ser Thr Ser His His Leu His Phe Gln Ser Leu
100 105 110

Gln Ala Thr Ile Leu Ser Cys Leu Ile Ile Ala Val Val Leu Thr Gly
115 120 125

Leu Ala Leu Ser Val Asp Pro Cys Phe Ile His Arg Ile
130 135 140

<210> 414

<211> 57

<212> PRT

<213> Homo sapiens

<400> 414

Met Leu Glu Thr Leu Ser Gln Phe Ile Ser Ile Leu Phe Val Leu Leu
1 5 10 15

Trp Ile Ile Ser Asp Leu Ile Leu Cys Phe Leu Lys Cys Gly Asn Pro
20 25 30

Gly Thr Leu Asp Met Val Leu Pro Ile Trp Thr Asn Gln Tyr Ile His
35 40 45

Ser Ser Arg Ser Ile Leu Ser Phe Ile
50 55

<210> 415

<211> 57

<212> PRT

<213> Homo sapiens

<400> 415

Met Leu Glu Thr Leu Ser Gln Phe Ile Ser Ile Leu Phe Val Leu Leu
1 5 10 15

Trp Ile Ile Ser Asp Leu Ile Leu Cys Phe Leu Lys Cys Gly Asn Pro
20 25 30

Gly Thr Leu Asp Met Val Leu Pro Ile Trp Thr Asn Gln Tyr Thr His
35 40 45

Ser Ser Arg Ser Ile Leu Ser Phe Ile
50 55

<210> 416

<211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 416
 Leu Leu Phe Leu Leu Gly Met Ala Trp Phe Asn Asp Trp Xaa Ala Ala
 1 5 10 15
 Leu Tyr Met Pro Ala Phe Cys Ala Ile Leu Val Ala Leu Phe Ala Phe
 20 25 30
 Ala Met Met Arg Asp Thr Pro Gln Ser Cys Gly Leu Pro Pro Ile Glu
 35 40 45
 Glu Tyr Lys Asn Asp Tyr Pro Asp Asp Tyr Xaa Glu Lys Ala Glu Gln
 50 55 60
 Glu Leu Thr Xaa Lys Gln Pro Gly Gly Arg Arg Leu Trp Leu His Pro
 65 70 75 80
 Ala Tyr Thr Ala Ala
 85

<210> 417
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 417
 Met Leu Phe Met Gly Phe Val Pro Trp Ala Thr Ser Ser Ile Ala Val
 1 5 10 15
 Met Phe Val Leu Leu Phe Leu Cys Gly Trp Phe Gln Gly Met Gly Trp
 20 25 30

Pro Pro Cys Gly Arg Thr Met Val His Trp Trp Ser Gln Lys Glu Arg
 35 40 45

Gly Gly Ile Val Ser Val Trp Asn Cys Ala His Asn Val Gly Gly Trp
 50 55 60

Val Phe
 65

<210> 418

<211> 152

<212> PRT

<213> Homo sapiens

<400> 418

Met Leu Phe Met Gly Phe Val Pro Trp Ala Thr Ser Ser Ile Ala Val
 1 5 10 15

Met Phe Val Leu Leu Phe Leu Cys Gly Trp Phe Gln Gly Met Gly Trp
 20 25 30

Pro Pro Cys Gly Arg Thr Met Val His Trp Trp Ser Gln Lys Glu Arg
 35 40 45

Gly Gly Ile Val Ser Val Trp Asn Cys Ala His Asn Val Gly Gly Gly
 50 55 60

Ile Pro Pro Leu Leu Phe Leu Leu Gly Met Ala Trp Phe Asn Asp Trp
 65 70 75 80

His Ala Ala Leu Tyr Met Pro Ala Phe Cys Ala Ile Leu Val Ala Leu
 85 90 95

Phe Ala Phe Ala Met Met Arg Asp Thr Pro Gln Ser Cys Gly Leu Pro
 100 105 110

Pro Ile Glu Glu Tyr Lys Asn Asp Tyr Pro Asp Asp Tyr Asn Glu Lys
 115 120 125

Ala Glu Gln Glu Leu Thr Ala Lys Gln Pro Gly Gly Arg Arg Leu Trp
 130 135 140

Leu His Pro Ala Tyr Thr Ala Ala
 145 150

<210> 419

<211> 85

<212> PRT

<213> Homo sapiens

<400> 419

Met	Val	Met	Gly	Leu	Lys	Ala	Leu	Pro	Glu	Pro	Phe	Met	Ser	Leu	Val
1				5					10					15	
Ser	His	Leu	Leu	Arg	Thr	Phe	Phe	Leu	Val	Trp	Phe	Val	Gly	Leu	Pro
		20						25					30		
Val	Ala	Ile	Leu	Gly	Asn	Leu	Leu	Glu	Cys	Tyr	Ala	Asn	Val	Phe	Thr
		35					40					45			
Gly	Asn	Gly	Gly	Gly	Pro	Glu	Pro	Trp	Gly	Gly	His	Leu	Val	Ser	Glu
	50					55					60				
Cys	Leu	Ala	Leu	Pro	Gln	Leu	Gly	Ile	Gln	Tyr	Leu	Ala	Leu	Ser	Gly
	65				70					75					80
Gly	Ile	Ile	Trp	Leu											
				85											

<210> 420

<211> 85

<212> PRT

<213> Homo sapiens

<400> 420

Met	Val	Met	Gly	Leu	Lys	Ala	Leu	Pro	Glu	Pro	Phe	Met	Ser	Leu	Val
1				5					10					15	
Ser	His	Leu	Leu	Arg	Thr	Phe	Phe	Leu	Val	Trp	Phe	Val	Gly	Leu	Pro
		20						25					30		
Val	Ala	Ile	Leu	Gly	Asn	Leu	Leu	Glu	Cys	Tyr	Ala	Asn	Val	Phe	Thr
		35					40					45			
Gly	Asn	Gly	Gly	Gly	Pro	Glu	Pro	Trp	Gly	Gly	His	Leu	Val	Ser	Glu
	50					55					60				
Cys	Leu	Ala	Leu	Pro	Gln	Leu	Gly	Ile	Gln	Tyr	Leu	Ala	Leu	Ser	Gly
	65				70					75					80
Gly	Ile	Ile	Trp	Leu											
				85											

<210> 421

<211> 64

<212> PRT

<213> Homo sapiens

<400> 421

Met Trp Glu Thr Tyr Ile Trp Leu Val Leu Thr Phe Ala Gln Lys Ala
1 5 10 15

Cys Cys Met Lys Leu Thr Ala Thr Met Leu Lys Gln Ile His Ile Lys
20 25 30

Lys Cys Arg Ser Ile Gln Trp Leu Leu Arg Val Asn Ser Phe Met Glu
35 40 45

Ser Ser Met Ser Leu Ser Ser Lys Ile Arg Pro His Gln Arg Arg Asn
50 55 60

<210> 422

<211> 64

<212> PRT

<213> Homo sapiens

<400> 422

Met Trp Glu Thr Tyr Ile Trp Leu Val Leu Thr Phe Ala Gln Lys Ala
1 5 10 15

Cys Cys Met Lys Leu Thr Ala Thr Met Leu Lys Gln Ile His Ile Lys
20 25 30

Lys Cys Arg Ser Ile Gln Trp Leu Leu Arg Val Asn Ser Phe Met Glu
35 40 45

Ser Ser Met Ser Leu Ser Ser Lys Ile Arg Pro His Gln Arg Arg Asn
50 55 60

<210> 423

<211> 47

<212> PRT

<213> Homo sapiens

<400> 423

Ser Gln Leu Leu Arg Lys Leu Arg Trp Glu Asp Gly Leu Ser Leu Gly
1 5 10 15

Gly Arg Val Cys Ser Glu Pro Arg Leu His His Cys Thr Pro Ala Trp
 20 25 30

Val Ile Gly Pro Gly Leu Val Leu Thr Thr Thr Thr Glu Lys Lys
 35 40 45

<210> 424
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 424
 Ile Glu Thr Xaa Arg Phe Gly Gly Lys Gln Met Glu Leu Gln Glu Ile
 1 5 10 15

Lys Ser Ile Ile Ser Ser Xaa Met Trp Trp Leu Met Pro Leu Ile Leu
 20 25 30

Val Thr Gln Glu Ala Glu Ala Gly Gly Ser Leu Glu Ala Arg Ser Leu
 35 40 45

Arg Pro Pro Trp Ala Thr
 50

<210> 425
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (195)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 425
 Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro
 1 5 10 15

Thr	Arg	Pro	Ile	Tyr	Ile	Arg	Arg	Tyr	Val	Phe	Lys	Leu	Gly	Val	Leu		
			20					25					30				
Gly	Trp	Gly	Ala	Pro	Ala	Leu	Leu	Val	Leu	Leu	Ser	Leu	Ser	Val	Lys		
		35					40					45					
Ser	Ser	Val	Tyr	Gly	Pro	Cys	Thr	Ile	Pro	Val	Phe	Asp	Ser	Trp	Glu		
	50					55					60						
Asn	Gly	Thr	Gly	Phe	Gln	Asn	Met	Ser	Ile	Cys	Trp	Val	Arg	Ser	Pro		
65					70					75					80		
Val	Val	His	Ser	Val	Leu	Val	Met	Gly	Tyr	Gly	Gly	Leu	Thr	Ser	Leu		
				85					90					95			
Phe	Asn	Leu	Val	Val	Leu	Ala	Trp	Ala	Leu	Trp	Thr	Leu	Arg	Arg	Leu		
			100					105					110				
Arg	Glu	Arg	Ala	Asp	Ala	Pro	Ser	Val	Arg	Ala	Cys	His	Asp	Thr	Val		
		115					120					125					
Thr	Val	Leu	Gly	Leu	Thr	Val	Leu	Leu	Gly	Thr	Thr	Trp	Ala	Leu	Ala		
	130					135					140						
Phe	Phe	Ser	Phe	Gly	Val	Phe	Leu	Leu	Pro	Gln	Leu	Phe	Leu	Phe	Thr		
145					150					155					160		
Ile	Leu	Asn	Ser	Leu	Tyr	Gly	Phe	Phe	Leu	Phe	Leu	Trp	Phe	Cys	Ser		
				165					170					175			
Gln	Arg	Cys	Arg	Ser	Glu	Ala	Glu	Ala	Lys	Ala	Gln	Ile	Glu	Ala	Phe		
			180					185					190				
Ser	Ser	Xaa	Gln	Thr	Thr	Gln											
		195															

<210> 426

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 426

Met	Ser	Ser	Leu	Ala	Ser	Trp	Trp	Pro	Ser	Tyr	Gly	Arg	Thr	Gln	Met
1				5					10					15	
Asn	Ser	Arg	Ala	Ser	Val	Ala	Gly	Pro	Ser	Trp	Leu	Phe	Cys	Ser	Ala
			20					25					30		
Pro	Phe	Pro	His	Cys	Leu	Ser	Tyr	Arg	Ser	His	Cys	Ser	Ser	Ser	Cys
		35					40					45			
Leu	Thr	Arg	Pro	Pro	Gly	Ala	Trp	Gln	Arg	Cys	Ala	Ser	Thr	Ser	Cys
	50					55					60				
Trp	Gly	Pro	Trp	Ser	Ser	Arg	Ser	Trp	Pro	Arg	Gly	Pro	Leu	Gly	Pro
65				70						75					80
Thr	Pro	Arg	Pro	Ser	Trp	Ser	Gly	Trp	Pro	Asp	Gly	Gly	Gly	Ala	Ala
				85					90					95	
Trp	Arg	Trp	Met	Cys	Ser	Pro	Ser	Ala	Arg	Ser	Ala	Thr	Arg	Pro	Arg
			100					105					110		
Trp	Ser	Leu	Gly	Pro	Pro	Gly	Ser	Ser	Trp	Leu	Gly	Gly	Ser	Cys	Arg
		115					120					125			
Ala	Glu	Ala	Trp	Xaa	Arg	Leu	Pro	Gly	Ala	Gly	Leu	Cys	His	Cys	Thr
	130					135					140				
Pro	Xaa	Thr	His	Gly	Arg	Thr	Trp	Leu	Ala	Ala	Thr	Leu	Cys	Trp	Thr
145					150					155					160

<210> 427

<211> 13

<212> PRT

<213> Homo sapiens

<400> 427

Trp	Pro	Ser	Ser	Ser	Arg	Thr	Leu	Ser	Ser	Ser	Arg	Arg
1				5					10			

<210> 428

<211> 47

<212> PRT

<213> Homo sapiens

<400> 428

Ile Leu Lys Ser Glu Pro Lys Leu Val Ser Phe Ile Asn Ile Leu Gly
1 5 10 15

Lys Glu Glu Arg Lys Lys Glu Gly Gly Arg Glu Arg Lys Lys Glu Arg
20 25 30

Lys Lys Glu Arg Lys Lys Glu Arg Lys Lys Lys Lys Lys Asn Ser
35 40 45

<210> 429

<211> 80

<212> PRT

<213> Homo sapiens

<400> 429

Met Ser Leu Ile Trp Arg Asp Val Tyr Leu Tyr Gly Cys Gly Cys Ile
1 5 10 15

Cys His Gly Arg Cys Cys Ala Gly Phe Pro Gln His Ser Arg His Val
20 25 30

Trp Arg Thr Asn Ala Gly Leu Ile Leu Pro Gly Asn Arg Val Pro Phe
35 40 45

Cys Glu Leu Glu Gly Cys Thr Arg Arg Ser Ser Tyr Trp Asn His Leu
50 55 60

Val Ile Leu Gly Gly His Trp Gly Leu His Leu Pro Cys Thr Ser Leu
65 70 75 80

<210> 430

<211> 80

<212> PRT

<213> Homo sapiens

<400> 430

Met Ser Leu Ile Trp Arg Asp Val Tyr Leu Tyr Gly Cys Gly Cys Ile
1 5 10 15

Cys His Gly Arg Cys Cys Ala Gly Phe Pro Gln His Ser Arg His Val
20 25 30

Trp Arg Thr Asn Ala Gly Leu Ile Leu Pro Gly Asn Arg Val Pro Phe

Asn Leu Phe Arg Phe Asn Lys Gly Lys Thr Tyr
 100 105

<210> 432
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 432
 Met Cys Cys Arg Ala Ile Ser Gly Cys Cys Gly Thr Cys Leu Ala Cys
 1 5 10 15
 Leu Cys Ser Thr Ala Ser Gly Ala Pro Gln Pro Trp Pro Cys Ser Arg
 20 25 30
 Gln Ser Thr Trp Arg Leu Ile Pro Arg Pro Ser Ala Pro Thr
 35 40 45

<210> 433
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 433
 Ser Gly Phe Val Xaa Ala Trp Ser Ile Leu Thr Pro Gly Cys Ile Ser
 1 5 10 15
 Pro Ala Gly Glu Lys Cys Arg Gly Gly Lys Gln Ser Leu Gly Thr Asn
 20 25 30
 Tyr Phe Xaa Xaa Val Leu Leu Ala Thr Asp Ser
 35 40

<210> 434
 <211> 76
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 434
 Met His Leu Pro Leu Ser Thr Lys Gly Ile Leu Pro Arg Ile Leu Leu
 1 5 10 15
 Leu Phe Ile Lys Thr Leu Phe Ala Phe Leu Leu Ser Asp Gln Cys Lys
 20 25 30
 Gly Leu Ala His Leu Trp Leu Arg Arg Arg Glu Cys Gly Pro Gly Gly
 35 40 45
 Leu Thr Cys Ala Ala Glu Glu Leu Lys Ser Tyr Thr Ser Ile Phe Ala
 50 55 60
 Pro Lys Leu Gly Val Val Gly Gly Xaa Glu Met Lys
 65 70 75

<210> 435
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 435
 Pro Ile Ser Thr Lys Asn Arg Lys Ile Ser Arg Xaa Trp Xaa Cys Val

1	5	10	15
Pro Val Ile	Pro Ala Thr Arg Glu	Ala Glu Ala Gly Glu	Ser Leu Glu
	20	25	30

Pro Arg Arg Trp Arg Xaa
35

<210> 436
<211> 74
<212> PRT
<213> Homo sapiens

<400> 436
Leu Tyr Gly Lys Ser Lys Thr Glu Val Lys Ile Ser Pro Val Ser Asn
1 5 10 15

Leu His Ser Phe Arg Leu Gln Gly Val Ser Leu Tyr Val Glu Ala Gly
20 25 30

Ser Leu Val Glu Phe Gln Gly Ser Lys Arg Gly Thr Asn Ile Cys Arg
35 40 45

Phe Cys Leu Leu Trp Gly Asn Ser Phe Asn His Gln Glu Asn Ser Ser
50 55 60

Ile Gly Phe Ile Cys Ser Gly Leu Pro Arg
65 70

<210> 437
<211> 58
<212> PRT
<213> Homo sapiens

<400> 437
Met Ala Trp Ser Arg Ala Ala Trp Thr Val Met Arg Ser Leu Leu Ile
1 5 10 15

Cys Trp Leu Val Ser Ala Tyr Ile Leu Ala Thr Val Thr Asp Val Gln
20 25 30

Gly Ser His Ile Gly Ile Pro Gly Ser Leu Leu Glu Leu Arg His His
35 40 45

Pro Arg Ser Asn Glu Ser Glu Ser Ala Cys
50 55

<210> 438

<211> 58

<212> PRT

<213> Homo sapiens

<400> 438

Met Ala Trp Ser Arg Ala Ala Trp Thr Val Met Arg Ser Leu Leu Ile
1 5 10 15

Cys Trp Leu Val Ser Ala Tyr Ile Leu Ala Thr Val Thr Asp Val Gln
20 25 30

Gly Ser His Ile Gly Ile Pro Gly Ser Leu Leu Glu Leu Arg His His
35 40 45

Pro Arg Ser Asn Glu Ser Glu Ser Ala Cys
50 55

<210> 439

<211> 14

<212> PRT

<213> Homo sapiens

<400> 439

Trp Arg Arg Gln Ala Arg Val Glu Ser Leu Leu Pro Met Leu
1 5 10

<210> 440

<211> 60

<212> PRT

<213> Homo sapiens

<400> 440

Met Trp Asp Leu Ser Pro Ser Thr Leu Ser Leu Leu Leu Leu Leu Ser
1 5 10 15

Pro Cys Asp Val Pro Ala Leu Ala Leu Pro Ser Ala Met Ser Lys Ser
20 25 30

Leu Leu Ser Leu Leu Arg Ser Arg Cys Cys His Ala Ser Trp Thr Ala
35 40 45

Cys Arg Thr Val Asn Gln Leu Asn Leu Phe Ser Leu
50 55 60

<210> 441
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 441
 Pro Cys Asp Val His Phe
 1 5

<210> 442
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 442
 Met Trp Asp Leu Ser Pro Ser Thr Leu Ser Leu Leu Leu Leu Ser
 1 5 10 15
 Pro Cys Asp Val Pro Ala Leu Ala Leu Pro Ser Ala Met Ser Lys Ser
 20 25 30
 Leu Leu Ser Leu Leu Arg Ser Arg Cys Cys His Ala Ser Trp Thr Ala
 35 40 45
 Cys Arg Thr Val Asn Gln Leu Asn Leu Phe Ser Leu
 50 55 60

<210> 443
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 443
 Met Val Glu His Leu His Leu Thr Tyr His Tyr Leu Lys Leu Pro Cys
 1 5 10 15
 Ile Phe Ala Cys Leu Leu Leu Tyr Trp Phe Ser Pro Leu Leu Asn Ser
 20 25 30
 Lys Leu Gln Asp Ser Arg Asp Leu Val Cys Phe Leu Asn Gln Trp His
 35 40 45
 Thr Val Cys Ala
 50

<210> 444

<211> 8
<212> PRT
<213> Homo sapiens

<400> 444
Pro Cys Cys Phe Leu Cys Leu Val
1 5

<210> 445
<211> 87
<212> PRT
<213> Homo sapiens

<400> 445
Pro Cys Cys Phe Leu Cys Leu Val Cys Ser Ser Ser Asp Ser His Lys
1 5 10 15

Ala Ser Ser Ser Ser Ser Pro Thr Leu Ser Thr Pro Leu Pro Cys Leu
20 25 30

Phe Ser Ser His Thr Ser Leu Leu Arg Asn Phe His Ile Ala Ser Leu
35 40 45

Leu Leu Thr Pro Pro Gln Ala Pro Gln Gly Trp Ala Phe Pro Ala Ser
50 55 60

Leu Thr Ala Ala Ala Leu Val Pro Gly Pro Val Pro Gly Thr Gln Leu
65 70 75 80

Val Ala Arg Met Leu Ile Thr
85

<210> 446
<211> 52
<212> PRT
<213> Homo sapiens

<400> 446
Met Val Glu His Leu His Leu Thr Tyr His Tyr Leu Lys Leu Pro Cys
1 5 10 15

Ile Phe Ala Cys Leu Leu Leu Tyr Trp Phe Ser Pro Leu Leu Asn Ser
20 25 30

Lys Leu Gln Asp Ser Arg Asp Leu Val Cys Phe Leu Asn Gln Trp His
35 40 45

Thr Val Cys Ala

<210> 447
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 447
 Met Pro Leu Ser Arg Phe Trp Leu Leu Leu Leu Phe Leu Pro Ser His
 1 5 10 15
 Ile Ser Val Leu Ser Leu Ile Arg Tyr Pro Ser Val Lys Glu Tyr
 20 25 30

<210> 448
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 448
 Met Pro Leu Ser Arg Phe Trp Leu Leu Leu Leu Phe Leu Pro Ser His
 1 5 10 15
 Ile Ser Val Leu Ser Leu Ile Arg Tyr Pro Ser Val Lys Glu Tyr
 20 25 30

<210> 449
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 449
 Val Gly Ala Ser Thr Ala His Gly Leu Leu Leu Pro Leu Leu His Ile
 1 5 10 15
 His Gly Gly Ser Ala Asn Ser Ser Ala Pro His His Pro Asn Pro Trp
 20 25 30
 Pro Gln Ala Asp Arg Ala Trp Ser His Tyr Leu
 35 40

<210> 450
 <211> 43
 <212> PRT

<213> Homo sapiens

<400> 450

Val Gly Ala Ser Thr Ala His Gly Leu Leu Leu Pro Leu Leu His Ile
1 5 10 15

His Gly Gly Ser Ala Asn Ser Ser Ala Pro His His Pro Asn Pro Trp
20 25 30

Pro Gln Ala Asp Arg Ala Trp Ser His Tyr Leu
35 40

<210> 451

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 451

Gln Phe Lys Gln Tyr Arg Tyr Ala Xaa Gly Met Leu Arg Gly Pro His
1 5 10 15

Ile Pro Val Ser Tyr Pro Asn Met Tyr Phe
20 25

<210> 452

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 452

Met His Phe Ala Ala Pro Phe Gln Leu Gln Ser Gln Thr Phe Arg Tyr
1 5 10 15

Glu	Val	Gly	Ser	Val	Arg	Lys	Ser	Gln	Gln	Val	Leu	Lys	Ala	Val	Val
			20					25					30		
Thr	Ala	Leu	Leu	Ile	Pro	Ala	Phe	Ser	Ser	Leu	Ser	Ser	Lys	Ala	Cys
		35					40					45			
Lys	Ala	Ser	Phe	Gly	Lys	Lys	Lys	Lys	Xaa	Lys	Gly	Lys	Xaa		
	50					55					60				

<210> 453
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

Glu	Gln	Leu	Leu	Glu	Ser	Ser	Leu	Ser	Ser	Thr	Ser	Cys	Glu	Thr	Leu
1				5				10					15		
Ser	Ser	Tyr	Ala	Ser	Gly	Arg	Trp	Leu	Leu	Ser	Pro	His	Thr	Pro	Ala
			20				25					30			
Cys	Arg	Val	Arg	Xaa	Tyr	Ile	Xaa	Gly	Thr	Asp	Arg	Met	Trp	Xaa	Pro
	35					40					45				
Arg	Ser	Met	Pro	Ser	Ala	Thr	Asp	Ile	Ala						
	50					55									

<210> 454
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 454

Met	Ser	Ala	Thr	His	Pro	Val	Pro	Trp	Ser	Val	Thr	Thr	Trp	Cys	Phe
1				5					10					15	
Phe	Cys	Thr	Trp	Asn	Ala	Thr	Cys	Ser	Ala	Gly	Pro	Ser	Pro	Gly	His
		20						25					30		
Arg	Val	Ser	Ser	Ser	Thr	Ala	Ser	Phe	Ile	Arg	Val	Ser	Tyr	Phe	Pro
		35					40					45			
Ser	Tyr	Phe	Ser	Ser	Pro	Leu	Ser	Val	Thr	Cys	Val	Pro	Val	Ser	Ser
	50					55					60				

<210> 455
 <211> 318
 <212> PRT
 <213> Homo sapiens

<400> 455															
Glu	Ala	Lys	Ala	Gln	Phe	Trp	Leu	Leu	His	Ser	Tyr	Leu	Phe	Cys	His
1				5					10					15	
Ser	Ser	Asn	Val	Pro	Asp	Leu	Leu	Arg	Pro	Arg	Met	Thr	Asn	Asp	Ser
		20						25					30		
Glu	Gly	Lys	Met	Gly	Phe	Lys	His	Pro	Lys	Ile	Met	Gly	Asn	Phe	Arg
		35					40					45			
Gly	His	Ala	Leu	Pro	Gly	Thr	Phe	Phe	Phe	Ile	Ile	Gly	Leu	Trp	Trp
	50					55					60				
Cys	Thr	Lys	Ser	Ile	Leu	Lys	Tyr	Ile	Cys	Lys	Lys	Gln	Lys	Arg	Thr
65				70					75					80	
Cys	Tyr	Leu	Gly	Ser	Lys	Thr	Leu	Phe	Tyr	Arg	Leu	Glu	Ile	Leu	Glu
				85					90					95	
Gly	Ile	Thr	Ile	Val	Gly	Met	Ala	Leu	Thr	Gly	Met	Ala	Gly	Glu	Gln
			100					105					110		
Phe	Ile	Pro	Gly	Gly	Pro	His	Leu	Met	Leu	Tyr	Asp	Tyr	Lys	Gln	Gly
		115					120					125			
His	Trp	Asn	Gln	Leu	Leu	Gly	Trp	His	His	Phe	Thr	Met	Tyr	Phe	Phe
	130					135					140				
Phe	Gly	Leu	Leu	Gly	Val	Ala	Asp	Ile	Leu	Cys	Phe	Thr	Ile	Ser	Ser
145					150					155					160

Leu Pro Val Ser Leu Thr Lys Leu Met Leu Ser Asn Ala Leu Phe Val
 165 170 175
 Glu Ala Phe Ile Phe Tyr Asn His Thr His Gly Arg Glu Met Leu Asp
 180 185 190
 Ile Phe Val His Gln Leu Leu Val Leu Val Val Phe Leu Thr Gly Leu
 195 200 205
 Val Ala Phe Leu Glu Phe Leu Val Arg Asn Asn Val Leu Leu Glu Leu
 210 215 220
 Leu Arg Ser Ser Leu Ile Leu Leu Gln Gly Ser Trp Phe Phe Gln Ile
 225 230 235 240
 Gly Phe Val Leu Tyr Pro Pro Ser Gly Gly Pro Ala Trp Asp Leu Met
 245 250 255
 Asp His Glu Asn Ile Leu Phe Leu Thr Ile Cys Phe Cys Trp His Tyr
 260 265 270
 Ala Val Thr Ile Val Ile Val Gly Met Asn Tyr Ala Phe Ile Thr Trp
 275 280 285
 Leu Val Lys Ser Arg Leu Lys Arg Leu Cys Ser Ser Glu Val Gly Leu
 290 295 300
 Leu Lys Asn Ala Glu Arg Glu Gln Glu Ser Glu Glu Glu Met
 305 310 315

<210> 456

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 456

Leu Xaa Lys Leu Lys Met Phe Tyr Lys Phe Ala Phe Lys Phe Ser Tyr
 1 5 10 15

Glu Ala Ile Cys Lys Leu His Thr
 20

<210> 457
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 457
 Met Val Ser Ile Leu Tyr Leu Gly Leu Phe Phe Leu Asn Ser Ser Val
 1 5 10 15

Leu Tyr Ala

<210> 458
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 458
 Val Asn Arg Pro Ser Trp Ile Met Gly Asn Phe Arg Gly His Ala Leu
 1 5 10 15

Pro Gly Thr Phe Phe Phe Ile Ile Gly Leu Trp Trp Cys Thr Lys Ser
 20 25 30

Ile Leu Lys Tyr Ile Cys Lys Lys Gln Lys Arg Thr Cys Tyr Leu Gly
 35 40 45

Ser Lys Thr Leu Phe Tyr Arg Leu Glu Ile Leu Glu Gly Ile Thr Ile
 50 55 60

Val Gly Met Ala Leu Thr Gly Met Ala Gly Glu Gln Phe Ile Pro Gly
 65 70 75 80

Gly Pro His Leu Met Leu Tyr Asp Tyr Lys Gln Gly His Trp Asn Gln
 85 90 95

Leu Leu Gly Trp His His Phe Thr Met Tyr Phe Phe Phe Gly Leu Leu
 100 105 110

Gly Val Ala Asp Ile Leu Cys Phe Thr Ile Ser Ser Leu Pro Val Ser
 115 120 125

Leu Thr Lys Leu Met Leu Ser Asn Ala Leu Phe Val Glu Ala Phe Ile
 130 135 140

Phe Tyr Asn His Thr His Gly Arg Glu Met Leu Asp Ile Phe Val His
 145 150 155 160

Gln Leu Leu Val Leu Val Val Phe Leu Thr Gly Leu Val Ala Phe Leu
 165 170 175

Glu Phe Leu Val Arg Asn Asn Val Leu Leu Glu Leu Leu Arg Ser Ser
 180 185 190
 Leu Ile Leu Leu Gln Gly Ser Trp Phe Phe Gln Ile Gly Phe Val Leu
 195 200 205
 Tyr Pro Pro Ser Gly Gly Pro Ala Trp Asp Leu Met Asp His Glu Asn
 210 215 220
 Ile Leu Phe Leu Thr Ile Cys Phe Cys Trp His Tyr Ala Val Thr Ile
 225 230 235 240
 Val Ile Val Gly Met Asn Tyr Ala Phe Ile Thr Trp Leu Val Lys Ser
 245 250 255
 Arg Leu Lys Arg Leu Cys Ser Ser Glu Val Gly Leu Leu Lys Asn Ala
 260 265 270
 Glu Arg Glu Gln Glu Ser Glu Glu Glu Met
 275 280

<210> 459
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 459
 Met Val Ser Ile Leu Tyr Leu Gly Leu Phe Phe Leu Asn Ser Ser Val
 1 5 10 15

Leu Tyr Ala

<210> 460
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 460
 Met Arg Val Gln Glu Leu Leu Leu Phe Leu Val Gly Gly Gly Val Thr
 1 5 10 15

Glu Gly Cys Thr Glu Glu Val Thr Pro Leu Cys Leu Phe Leu Ala Asn
 20 25 30

Asn Glu Val Leu Arg Thr Leu Thr Cys Arg Gln Ser Leu Ala Gln
 35 40 45

<210> 461
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 461
 Ser Ala Gln Ala Leu His His Pro Pro His Gln Gly Pro Pro Leu Phe
 1 5 10 15
 Pro Ser Ser Ala His Pro Thr Val Pro Pro Tyr Pro Ser Gln Ala Thr
 20 25 30
 His His Thr Thr Leu Gly Pro Gly Pro Gln His Gln Pro Ser Gly Thr
 35 40 45
 Gly Pro His Cys Pro Leu Pro Val Thr Gly Pro His Leu Gln Pro Gln
 50 55 60
 Gly Pro Asn Ser Ile Pro Thr Pro Thr Ala Ser Gly Phe Cys Pro His
 65 70 75 80
 Pro Gly Ser Val Ala Leu Pro Trp Gly Phe Lys Asp Leu Ser Arg His
 85 90 95
 Leu Gln Cys Leu Asp Arg Phe Gln Phe Thr Glu His Arg Cys His Gln
 100 105 110
 His Phe Lys Thr Ile Thr Met Gly Gln Gly Gly Ile Lys Met Asp Ser
 115 120 125
 Lys Asn Ile Phe Leu Asn Val Leu
 130 135

<210> 462
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 462
 Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
 1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
 20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
 35 40 45

Leu Pro Pro Xaa Leu Val Cys Lys Pro Val
 50 55

<210> 463

<211> 58

<212> PRT

<213> Homo sapiens

<400> 463

Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
 1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
 20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
 35 40 45

Leu Pro Pro Cys Leu Val Cys Lys Pro Val
 50 55

<210> 464

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 464

Met Ala Val Phe Leu Ile Ser Ser Ser Tyr Phe Leu Leu Cys Val Phe
 1 5 10 15

Thr Ile Arg Ser Leu Arg Ala Trp Val Leu Pro Phe Thr Ser Val Pro
 20 25 30

Arg Ala Gln Gly Gly Ser Cys Cys Arg Ser Gln Trp Leu Tyr Lys Thr
 35 40 45

Leu Pro Pro Xaa Leu Val Cys Lys Pro Val

<210> 465
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 465
 Ser Arg Cys Ala Gly Ala Pro Leu Gln Asn Asn Gly Pro Val Arg Glu
 1 5 10 15
 Ala Thr Xaa Leu Thr Leu Gln Asn Xaa Gly Pro Xaa Arg Glu Ala Thr
 20 25 30
 His Leu Thr Leu Gln Asn Asn Gly Pro Met Arg Glu Ala Xaa His Leu
 35 40 45
 Val Leu His Lys Trp Ser Ile Cys Leu Arg
 50 55

<210> 466
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 466
 Met Pro Tyr Gly Pro Asp Pro Ile Leu Ser Asn Val Leu Leu Ala Gly
 1 5 10 15

Tyr Ile Val Leu Gln Thr Leu Ser Cys Pro Arg
 20 25

<210> 467
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 467
 Met Val Thr Val Gly Leu Val Ile Cys Phe Ser Glu Trp Cys Cys Ala
 1 5 10 15
 Gly Gly Leu Ser Ala Glu Gln Thr Val Ser Asp Lys His Ile Asp Ala
 20 25 30
 Leu Met Lys Glu Lys Glu Ala Gly Lys Ser Ser Gly His Tyr Asp Pro
 35 40 45
 Arg His Gln Gly Gln Ala Leu Glu Glu Pro Ser Val His Ser Cys Ile
 50 55 60
 Tyr Tyr Leu Leu Thr Glu Gln Thr Gln Lys Val Ser Thr Arg Thr Ser
 65 70 75 80
 Leu Leu Arg Tyr Arg Trp Pro Cys Glu Glu Val Gly Trp Cys Trp Gly
 85 90 95
 Leu Asp Leu Thr Gly Cys Pro Val Val Ile Gln His Glu Gly Val Ala
 100 105 110
 Gly Ser Glu Ile Ile Ile Ser Asp Tyr Pro Leu Thr Asn Glu Asn Ile
 115 120 125
 Lys Gly Ile Pro Glu Ile Cys Leu Phe His Ile
 130 135

<210> 468
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 468
 Met Leu Ala Ile Lys Val Leu Ile Val Val Phe Leu Leu Gln Leu Ser
 1 5 10 15
 Trp Cys Phe Leu Leu Val Leu Leu Phe His Ser Leu Ile Lys Gly Thr
 20 25 30

Met Ile Asp Ile Pro Ala Pro Tyr Lys Glu Ile
35 40

<210> 469
<211> 38
<212> PRT
<213> Homo sapiens

<400> 469
Cys Phe Leu Leu Ala Asp Val Gly Asn Ser Ile Ile Phe Ile Thr Asn
1 5 10 15

Phe Met Glu Gln His Gln Phe Arg Val Lys Leu Glu Asn Gln Cys Ile
20 25 30

Leu Ile Phe Val Asp Tyr
35

<210> 470
<211> 4
<212> PRT
<213> Homo sapiens

<400> 470
Val Gly Phe Leu
1

<210> 471
<211> 77
<212> PRT
<213> Homo sapiens

<400> 471
Ala Pro Arg Arg Gln Ala Gln Glu Trp Leu Gly Arg Thr Gly Asn Thr
1 5 10 15

Phe Ala Pro Arg Leu Ala Val Thr Ser Val Lys Ala Asp Arg Arg Glu
20 25 30

Met Gly Pro Ser Ser Ser Val Val Ala Ala Ser Pro Ser Leu Gln Asp
35 40 45

Arg Val Ile Ile Thr Ile Asn Asn Pro Ser Arg Val Lys Lys Lys Lys
50 55 60

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
65 70 75

<210> 472
<211> 245
<212> PRT
<213> Homo sapiens

<400> 472
Ala Trp Arg Arg Arg Arg Ser Gly Thr Ser Gly Lys Ala Thr Trp Trp
1 5 10 15
Cys Ser Gly Leu Arg Arg Ala Ser Pro Thr Pro Ser Arg Arg Val Gln
20 25 30
Ser Trp Ala Thr Ala Val Met Trp Lys Pro Ser Pro Ser Ser Ser Pro
35 40 45
Ala Ser Trp Ser Cys Thr Ala Leu Arg Ala Pro Gln Ser Cys Leu Arg
50 55 60
Ala Ala Thr Val Arg Pro Val Thr Leu Gln Ala Arg Ala Asp Ser Pro
65 70 75 80
Thr Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
85 90 95
Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
100 105 110
Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp His Ile Pro
115 120 125
Gly Val Pro Glu Pro Val His Arg Pro Gln Asp Pro Trp Pro Trp Leu
130 135 140
Gln Leu Val Pro Pro Ala Glu Leu Ala Tyr Cys Leu Leu Met Leu Leu
145 150 155 160
Leu Ala His Cys Met Lys Gln Gln Ala Arg Pro Gly His Pro Asp Phe
165 170 175
Leu His Arg Glu Ala Trp Ala Cys Leu Ser Ala Ala Gly Gly Leu Ala
180 185 190
Ser Pro Gly Leu Leu Leu Trp Ala Thr Ala Arg Pro Arg Ala Ser Gly
195 200 205
Glu Ala Gly Pro Gly Arg Ala Leu Val Gly Ala Asp Ala Ala Cys Cys
210 215 220

Pro Arg His Ser Val Leu Ser Leu Val Asp Ile Pro Ser Gly Gln Val
 225 230 235 240

Leu Pro Gln Gly Gln
 245

<210> 473

<211> 43

<212> PRT

<213> Homo sapiens

<400> 473

Met Ala Ala Arg Gly Arg Ser Gly Val Gly Pro Pro Gly Phe Leu Arg
 1 5 10 15

Ala Leu Ala Leu Leu Gln Leu Ser Cys Gly Phe Tyr Trp Ala Cys Ser
 20 25 30

Arg Gly Trp Met Val Arg Gly Thr Pro His Pro
 35 40

<210> 474

<211> 43

<212> PRT

<213> Homo sapiens

<400> 474

Met Ala Ala Arg Gly Arg Ser Gly Val Gly Pro Pro Gly Phe Leu Arg
 1 5 10 15

Ala Leu Ala Leu Leu Gln Leu Ser Cys Gly Phe Tyr Trp Ala Cys Ser
 20 25 30

Arg Gly Trp Met Val Arg Gly Thr Pro His Pro
 35 40

<210> 475

<211> 43

<212> PRT

<213> Homo sapiens

<400> 475

Met Phe Asn Leu Ser Phe Phe Thr Leu Tyr Gly Leu Cys Met Leu Lys
 1 5 10 15

Leu His Ser Ala Ser Ser Trp Phe Thr Leu Leu Leu Leu Ile Ser Leu
20 25 30

Phe Leu Ser Val Val Tyr Cys Gln Ser Thr Asn
35 40

<210> 476
<211> 2
<212> PRT
<213> Homo sapiens

<400> 476
Leu His
1

<210> 477
<211> 43
<212> PRT
<213> Homo sapiens

<400> 477
Met Phe Asn Leu Ser Phe Phe Thr Leu Tyr Gly Leu Cys Met Leu Lys
1 5 10 15

Leu His Ser Ala Ser Ser Trp Phe Thr Leu Leu Leu Leu Ile Ser Leu
20 25 30

Phe Leu Ser Val Val Tyr Cys Gln Ser Thr Asn
35 40

<210> 478
<211> 47
<212> PRT
<213> Homo sapiens

<400> 478
Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Leu Ala Ala
1 5 10 15

Leu Val Ala Pro Ala Thr Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30

Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly
35 40 45

<210> 479
<211> 47
<212> PRT
<213> Homo sapiens

<400> 479
Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Leu Ala Ala
1 5 10 15
Leu Val Ala Pro Ala Thr Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30
Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly
35 40 45

<210> 480
<211> 365
<212> PRT
<213> Homo sapiens

<220>
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<222> (313)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (316)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (333)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (335)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (338)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (339)
<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile
1 5 10 15

Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg
20 25 30

Cys Leu Cys Glu Glu Lys Glu Asn Val Leu Asn Ile Asn Cys Glu Asn
35 40 45

Lys Gly Phe Thr Thr Val Ser Leu Leu Gln Pro Pro Gln Tyr Arg Ile
50 55 60

Tyr Gln Leu Phe Leu Asn Gly Asn Leu Leu Thr Arg Leu Tyr Pro Asn
65 70 75 80

Glu Phe Val Asn Tyr Ser Asn Ala Val Thr Leu His Leu Gly Asn Asn
85 90 95

Gly Leu Gln Glu Ile Arg Thr Gly Ala Phe Ser Gly Leu Lys Thr Leu
100 105 110

Lys Arg Leu His Leu Asn Asn Asn Lys Leu Glu Ile Leu Arg Glu Asp
115 120 125

Thr Phe Leu Gly Leu Glu Ser Leu Glu Tyr Leu Gln Ala Asp Tyr Asn
130 135 140

Tyr Ile Ser Ala Ile Glu Ala Gly Ala Phe Ser Lys Leu Asn Lys Leu
145 150 155 160

Lys Val Leu Ile Leu Asn Asp Asn Leu Leu Leu Ser Leu Pro Ser Asn
165 170 175

Val Phe Arg Phe Val Leu Leu Thr His Leu Asp Leu Arg Gly Asn Arg
180 185 190

Leu Lys Val Met Pro Phe Ala Gly Val Leu Glu His Ile Gly Gly Ile
195 200 205

Met Glu Ile Gln Leu Glu Glu Asn Pro Trp Asn Cys Thr Cys Asp Leu

210		215		220	
Leu Pro Leu Lys Ala Trp Leu Asp Thr Ile Thr Val Phe Val Gly Glu					
225		230		235	240
Ile Val Cys Glu Thr Pro Phe Arg Leu His Gly Lys Asp Val Thr Gln					
	245		250		255
Leu Thr Arg Gln Asp Leu Cys Pro Arg Lys Ser Ala Ser Asp Ser Ser					
	260		265		270
Gln Arg Gly Ser His Ala Asp Thr His Val Gln Arg Leu Ser Pro Thr					
	275		280		285
Met Asn Pro Ala Leu Asn Pro Thr Arg Ala Pro Lys Ala Ser Arg Pro					
	290		295		300
Pro Lys Met Arg Asn Arg Pro Thr Xaa Arg Val Xaa Val Ser Lys Asp					
305		310		315	320
Arg Gln Ser Phe Gly Pro Ile Met Val Tyr Gln Thr Xaa Val Xaa Cys					
	325		330		335
Ala Xaa Xaa Leu Ser Gln Gln Leu Cys Leu His Leu Ser Glu Leu Xaa					
	340		345		350
Gln Trp Xaa Glu Cys Lys Leu Pro Arg Lys Glu Val His					
	355		360		365

<210> 481
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 481
Gly Tyr Trp Val Ser Phe Leu Leu His Val Asp Gly Val Leu Ala His
1 5 10 15

Leu Thr Thr Gly Gly Gly Ile
20

<210> 482
 <211> 191
 <212> PRT
 <213> Homo sapiens

<400> 482
Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile

1	5	10	15
Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg	20	25	30
Cys Leu Cys Glu Glu Lys Glu Asn Val Leu Asn Ile Asn Cys Glu Asn	35	40	45
Lys Gly Phe Thr Thr Val Ser Leu Leu Gln Pro Pro Gln Tyr Arg Ile	50	55	60
Tyr Gln Leu Phe Leu Asn Gly Asn Leu Leu Thr Arg Leu Tyr Pro Asn	65	70	75
Glu Phe Val Asn Tyr Ser Asn Ala Val Thr Leu His Leu Gly Asn Asn	85	90	95
Gly Leu Gln Glu Ile Arg Thr Gly Ala Phe Ser Gly Leu Lys Thr Leu	100	105	110
Lys Arg Leu His Leu Asn Asn Asn Lys Leu Glu Ile Leu Arg Glu Asp	115	120	125
Thr Phe Leu Gly Leu Glu Ser Leu Glu Tyr Leu Gln Ala Asp Tyr Asn	130	135	140
Tyr Ile Ser Ala Ile Glu Ala Gly Ala Phe Ser Lys Leu Asn Lys Leu	145	150	155
Lys Val Leu Ile Leu Asn Asp Asn Leu Leu Leu Ser Leu Pro Ser Asn	165	170	175
Val Phe Arg Phe Val Leu Leu Thr His Leu Asp Leu Arg Gly Asn	180	185	190

<210> 483

<211> 845

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (477)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 483

Met Leu Ser Gly Val Trp Phe Leu Ser Val Leu Thr Val Ala Gly Ile	1	5	10	15
---	---	---	----	----

Leu Gln Thr Glu Ser Arg Lys Thr Ala Lys Asp Ile Cys Lys Ile Arg

			20					25					30				
Cys	Leu	Cys	Glu	Glu	Lys	Glu	Asn	Val	Leu	Asn	Ile	Asn	Cys	Glu	Asn		
		35					40					45					
Lys	Gly	Phe	Thr	Thr	Val	Ser	Leu	Leu	Gln	Pro	Pro	Gln	Tyr	Arg	Ile		
	50					55					60						
Tyr	Gln	Leu	Phe	Leu	Asn	Gly	Asn	Leu	Leu	Thr	Arg	Leu	Tyr	Pro	Asn		
65					70					75					80		
Glu	Phe	Val	Asn	Tyr	Ser	Asn	Ala	Val	Thr	Leu	His	Leu	Gly	Asn	Asn		
				85					90					95			
Gly	Leu	Gln	Glu	Ile	Arg	Thr	Gly	Ala	Phe	Ser	Gly	Leu	Lys	Thr	Leu		
			100					105					110				
Lys	Arg	Leu	His	Leu	Asn	Asn	Asn	Lys	Leu	Glu	Ile	Leu	Arg	Glu	Asp		
		115					120					125					
Thr	Phe	Leu	Gly	Leu	Glu	Ser	Leu	Glu	Tyr	Leu	Gln	Ala	Asp	Tyr	Asn		
	130					135					140						
Tyr	Ile	Ser	Ala	Ile	Glu	Ala	Gly	Ala	Phe	Ser	Lys	Leu	Asn	Lys	Leu		
145					150					155					160		
Lys	Val	Leu	Ile	Leu	Asn	Asp	Asn	Leu	Leu	Leu	Ser	Leu	Pro	Ser	Asn		
				165					170					175			
Val	Phe	Arg	Phe	Val	Leu	Leu	Thr	His	Leu	Asp	Leu	Arg	Gly	Asn	Arg		
			180					185					190				
Leu	Lys	Val	Met	Pro	Phe	Ala	Gly	Val	Leu	Glu	His	Ile	Gly	Gly	Ile		
		195					200					205					
Met	Glu	Ile	Gln	Leu	Glu	Glu	Asn	Pro	Trp	Asn	Cys	Thr	Cys	Asp	Leu		
	210					215					220						
Leu	Pro	Leu	Lys	Ala	Trp	Leu	Asp	Thr	Ile	Thr	Val	Phe	Val	Gly	Glu		
225					230					235					240		
Ile	Val	Cys	Glu	Thr	Pro	Phe	Arg	Leu	His	Gly	Lys	Asp	Val	Thr	Gln		
				245					250					255			
Leu	Thr	Arg	Gln	Asp	Leu	Cys	Pro	Arg	Lys	Ser	Ala	Ser	Asp	Ser	Ser		
			260					265					270				
Gln	Arg	Gly	Ser	His	Ala	Asp	Thr	His	Val	Gln	Arg	Leu	Ser	Pro	Thr		
		275					280					285					
Met	Asn	Pro	Ala	Leu	Asn	Pro	Thr	Arg	Ala	Pro	Lys	Ala	Ser	Arg	Pro		
	290					295					300						

Pro	Lys	Met	Arg	Asn	Arg	Pro	Thr	Pro	Arg	Val	Thr	Val	Ser	Lys	Asp	305	310	315	320
Arg	Gln	Ser	Phe	Gly	Pro	Ile	Met	Val	Tyr	Gln	Thr	Lys	Ser	Pro	Val	325	330	335	
Pro	Leu	Thr	Cys	Pro	Ser	Ser	Cys	Val	Cys	Thr	Ser	Gln	Ser	Ser	Asp	340	345	350	
Asn	Gly	Leu	Asn	Val	Asn	Cys	Gln	Glu	Arg	Lys	Phe	Thr	Asn	Ile	Ser	355	360	365	
Asp	Leu	Gln	Pro	Lys	Pro	Thr	Ser	Pro	Lys	Lys	Leu	Tyr	Leu	Thr	Gly	370	375	380	
Asn	Tyr	Leu	Gln	Thr	Val	Tyr	Lys	Asn	Asp	Leu	Leu	Glu	Tyr	Ser	Ser	385	390	395	400
Leu	Asp	Leu	Leu	His	Leu	Gly	Asn	Asn	Arg	Ile	Ala	Val	Ile	Gln	Glu	405	410	415	
Gly	Ala	Phe	Thr	Asn	Leu	Thr	Ser	Leu	Arg	Arg	Leu	Tyr	Leu	Asn	Gly	420	425	430	
Asn	Tyr	Leu	Glu	Val	Leu	Tyr	Pro	Ser	Met	Phe	Asp	Gly	Leu	Gln	Ser	435	440	445	
Leu	Gln	Tyr	Leu	Tyr	Leu	Glu	Tyr	Asn	Val	Ile	Lys	Glu	Ile	Lys	Pro	450	455	460	
Leu	Thr	Phe	Asp	Ala	Leu	Ile	Asn	Leu	Gln	Leu	Leu	Xaa	Leu	Asn	Asn	465	470	475	480
Asn	Leu	Leu	Arg	Ser	Leu	Pro	Asp	Asn	Ile	Phe	Gly	Gly	Thr	Ala	Leu	485	490	495	
Thr	Arg	Leu	Asn	Leu	Arg	Asn	Asn	His	Phe	Ser	His	Leu	Pro	Val	Lys	500	505	510	
Gly	Val	Leu	Asp	Gln	Leu	Pro	Ala	Phe	Ile	Gln	Ile	Asp	Leu	Gln	Glu	515	520	525	
Asn	Pro	Trp	Asp	Cys	Thr	Cys	Asp	Ile	Met	Gly	Leu	Lys	Asp	Trp	Thr	530	535	540	
Glu	His	Ala	Asn	Ser	Pro	Val	Ile	Ile	Asn	Glu	Val	Thr	Cys	Glu	Ser	545	550	555	560
Pro	Ala	Lys	His	Ala	Gly	Glu	Ile	Leu	Lys	Phe	Leu	Gly	Arg	Glu	Ala	565	570	575	

Ile	Cys	Pro	Asp	Ser	Pro	Asn	Leu	Ser	Asp	Gly	Thr	Val	Leu	Ser	Met	
			580					585					590			
Asn	His	Asn	Thr	Asp	Thr	Pro	Arg	Ser	Leu	Ser	Val	Ser	Pro	Ser	Ser	
		595					600					605				
Tyr	Pro	Glu	Leu	His	Thr	Glu	Val	Pro	Leu	Ser	Val	Leu	Ile	Leu	Gly	
	610					615					620					
Leu	Leu	Val	Val	Phe	Ile	Leu	Ser	Val	Cys	Phe	Gly	Ala	Gly	Leu	Phe	
625					630					635					640	
Val	Phe	Val	Leu	Lys	Arg	Arg	Lys	Gly	Val	Pro	Ser	Val	Pro	Arg	Asn	
				645					650					655		
Thr	Asn	Asn	Leu	Asp	Val	Ser	Ser	Phe	Gln	Leu	Gln	Tyr	Gly	Ser	Tyr	
			660					665					670			
Asn	Thr	Glu	Thr	His	Asp	Lys	Thr	Asp	Gly	His	Val	Tyr	Asn	Tyr	Ile	
		675					680					685				
Pro	Pro	Pro	Val	Gly	Gln	Met	Cys	Gln	Asn	Pro	Ile	Tyr	Met	Gln	Lys	
	690					695					700					
Glu	Gly	Asp	Pro	Val	Ala	Tyr	Tyr	Arg	Asn	Leu	Gln	Glu	Phe	Ser	Tyr	
705					710					715					720	
Ser	Asn	Leu	Glu	Glu	Lys	Lys	Glu	Glu	Pro	Ala	Thr	Pro	Ala	Tyr	Thr	
				725					730					735		
Ile	Ser	Ala	Thr	Glu	Leu	Leu	Glu	Lys	Gln	Ala	Thr	Pro	Arg	Glu	Pro	
			740					745					750			
Glu	Leu	Leu	Tyr	Gln	Asn	Ile	Ala	Glu	Arg	Val	Lys	Glu	Leu	Pro	Ser	
		755					760					765				
Ala	Gly	Leu	Val	His	Tyr	Asn	Phe	Cys	Thr	Leu	Pro	Lys	Arg	Gln	Phe	
	770					775					780					
Ala	Pro	Ser	Tyr	Glu	Ser	Arg	Arg	Gln	Asn	Gln	Asp	Arg	Ile	Asn	Lys	
785					790					795					800	
Thr	Val	Leu	Tyr	Gly	Thr	Pro	Arg	Lys	Cys	Phe	Val	Gly	Gln	Ser	Lys	
				805					810					815		
Pro	Asn	His	Pro	Leu	Leu	Gln	Ala	Lys	Pro	Gln	Ser	Glu	Pro	Asp	Tyr	
			820					825					830			
Leu	Glu	Val	Leu	Glu	Lys	Gln	Thr	Ala	Ile	Ser	Gln	Leu				
		835					840					845				

<210> 484
 <211> 141
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 484
 Phe Cys Leu Leu His Val Pro Ala Ser Cys Tyr Cys Ser Phe Ser Asn
 1 5 10 15
 Gly Ile Thr Ser Pro Cys His Ala Leu Gly Ser Pro Ser Leu Ser Ile
 20 25 30
 Ser Val Leu Leu Ser Trp Leu Asn Pro Ser Thr Ile Leu Asn Thr Gly
 35 40 45
 Ser Ser Cys Pro Ile Pro Arg Leu Thr Leu Ser Asp Leu Pro Ile Ser
 50 55 60
 Leu Ala Phe His Ala Pro Leu Pro Pro Pro Gly Phe Asn Trp Val
 65 70 75 80
 Arg Ala Val Phe Leu Pro Leu Cys Ser Ala Ser Ala Leu Arg Thr Pro
 85 90 95
 Arg Gly Leu Gly Gly Lys Val Leu Thr Ile Phe Thr Leu Cys Leu Pro
 100 105 110
 Leu His His Leu Phe Ile Thr Ser Gln Pro Leu Leu Xaa Gln Val Phe
 115 120 125
 Thr His Xaa Leu Phe Leu Gln Val Phe Asp Trp Arg Glu
 130 135 140

<210> 485
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 485

Ser His Ile Val Thr Cys Leu Gly
1 5

<210> 486
<211> 42
<212> PRT
<213> Homo sapiens

<400> 486
Met Gly Leu Lys Asn Ser Ser Leu Ile Thr Cys Phe Leu Leu Ala Phe
1 5 10 15
Val Val Phe Val Leu Phe Cys Leu Phe Cys Phe Val Phe Leu Cys Tyr
20 25 30
Phe Ile Gly Lys Val Ser Gly Met Cys Ser
35 40

<210> 487
<211> 42
<212> PRT
<213> Homo sapiens

<400> 487
Met Gly Leu Lys Asn Ser Ser Leu Ile Thr Cys Phe Leu Leu Ala Phe
1 5 10 15
Val Val Phe Val Leu Phe Cys Leu Phe Cys Phe Val Phe Leu Cys Tyr
20 25 30
Phe Ile Gly Lys Val Ser Gly Met Cys Ser
35 40

<210> 488
<211> 27
<212> PRT
<213> Homo sapiens

<400> 488
Met Arg Arg Met Ala Ser Ala Leu Leu Leu Asp Gln Leu Thr Lys Ala
1 5 10 15
Leu Leu Ser Gly His Gln Asn Trp Lys Ala Phe
20 25

<210> 489
 <211> 137
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 489
 Xaa Arg Cys Phe Thr Phe Xaa Phe Thr Asp Ile Val Ile Met Pro Lys
 1 5 10 15

Arg Lys Phe Pro Glu Asn Thr Glu Gly Lys Asp Gly Ser Lys Val Thr
 20 25 30

Xaa Gln Glu Pro Thr Arg Arg Ser Ala Arg Leu Ser Ala Lys Pro Ala
 35 40 45

Pro Pro Lys Pro Glu Pro Lys Pro Arg Lys Thr Ser Ala Lys Lys Glu
 50 55 60

Pro Gly Ala Lys Ile Ser Arg Gly Ala Lys Gly Lys Lys Glu Glu Lys
 65 70 75 80

Gln Glu Ala Gly Lys Glu Gly Thr Ala Pro Ser Glu Asn Gly Glu Thr
 85 90 95

Lys Ala Glu Glu Ile His Ile Ser Arg Ser Thr Val Asn Val Ser Thr
 100 105 110

Ser Arg Gly Thr Pro Pro Ser Thr Leu Ser Val Lys Gly Gln Ile Glu
 115 120 125

Thr Val Arg Val Lys Gly Thr Glu Asn
 130 135

<210> 490

<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490
Asn Lys Pro Asp Thr Gly Arg Lys Ile Leu His Asp Leu Ile Cys Gly
1 5 10 15
Ile Leu Lys Lys Lys Lys Lys Lys Ser Gln Ile Tyr Arg Val Asn Lys
20 25 30
Arg Val Gly Tyr Gln Xaa Gln Val Gly Gly Glu Trp Glu Met
35 40 45

<210> 491
<211> 50
<212> PRT
<213> Homo sapiens

<400> 491
Met Gln Pro Pro Phe Val Leu Thr Thr Thr Thr Met Ile Ser Leu Phe
1 5 10 15
Leu Ala Leu Ile Ser Thr Lys Lys Val His Leu Thr Ile Pro Gln Pro
20 25 30
Phe Thr Ser His Ser Arg Leu Ser Phe Asp Val Phe Lys Arg Lys Ala
35 40 45
Arg Ala
50

<210> 492
<211> 228
<212> PRT
<213> Homo sapiens

<400> 492
Thr Gln Asp His Gln Lys Leu Cys Tyr Ser Ala Leu Ile Leu Ala Met
1 5 10 15
Val Phe Ser Met Gly Glu Ala Val Pro Tyr Ala His Tyr Glu His Leu
20 25 30

Gly	Thr	Pro	Phe	Ala	Gln	Phe	Leu	Leu	Asn	Ile	Val	Glu	Asp	Gly	Leu		
		35					40					45					
Pro	Leu	Asp	Thr	Thr	Glu	Gln	Leu	Pro	Asp	Leu	Cys	Val	Asn	Leu	Leu		
	50					55					60						
Leu	Ala	Leu	Asn	Leu	His	Leu	Pro	Ala	Ala	Asp	Gln	Asn	Val	Ile	Met		
	65				70					75					80		
Ala	Ala	Leu	Ser	Lys	His	Ala	Asn	Val	Lys	Ile	Phe	Ser	Glu	Lys	Leu		
				85					90					95			
Leu	Leu	Leu	Leu	Asn	Arg	Gly	Asp	Asp	Pro	Val	Arg	Ile	Phe	Lys	His		
			100					105					110				
Glu	Pro	Gln	Pro	Pro	His	Ser	Val	Leu	Lys	Phe	Leu	Gln	Asp	Val	Phe		
		115					120					125					
Gly	Ser	Pro	Ala	Thr	Ala	Ala	Ile	Phe	Tyr	His	Thr	Asp	Met	Met	Ala		
	130					135					140						
Leu	Ile	Asp	Ile	Thr	Val	Arg	His	Ile	Ala	Asp	Leu	Ser	Pro	Gly	Asp		
	145				150					155					160		
Lys	Leu	Arg	Met	Glu	Tyr	Leu	Ser	Leu	Met	His	Ala	Ile	Val	Arg	Thr		
				165					170					175			
Thr	Pro	Tyr	Leu	Gln	His	Arg	His	Arg	Leu	Pro	Asp	Leu	Gln	Ala	Ile		
			180					185					190				
Leu	Arg	Arg	Ile	Leu	Asn	Glu	Glu	Glu	Thr	Ser	Pro	Gln	Cys	Gln	Met		
		195					200					205					
Asp	Arg	Met	Ile	Val	Arg	Glu	Met	Cys	Lys	Glu	Phe	Leu	Val	Leu	Gly		
	210					215					220						
Glu	Ala	Pro	Ser														
	225																

<210> 493

<211> 13

<212> PRT

<213> Homo sapiens

<400> 493

Pro	Phe	His	Phe	Ser	Thr	Pro	Ser	Ile	Thr	Gly	Leu	Phe					
1				5					10								

<210> 494
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 494
 Phe Leu
 1

<210> 495
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 495
 Met Gln Pro Pro Phe Val Leu Thr Thr Thr Thr Met Ile Ser Leu Phe
 1 5 10 15
 Leu Ala Leu Ile Ser Thr Lys Lys Val His Leu Thr Ile Pro Gln Pro
 20 25 30
 Phe Thr Ser His Ser Arg Leu Ser Phe Asp Val Phe Lys Arg Lys Ala
 35 40 45
 Arg Ala
 50

<210> 496
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 496
 Met Phe Ile Phe Ile Leu Met Ile His Leu Ile Tyr Met Trp Ile Gln
 1 5 10 15
 Gly Thr Lys Phe Met Tyr Lys Ser Ser His Leu Met Asn Val Asp Thr
 20 25 30
 Phe Leu Glu Asn Ile Tyr Gln Cys Glu Asn Phe Phe Asn Thr Leu Thr
 35 40 45
 Thr Lys Ile Lys Tyr Ser Leu Ile Ser Leu Phe Asn Lys His Gln Asn
 50 55 60
 Asn Val Ser Val Phe Ile Leu
 65 70

<210> 497
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 497
 Leu Phe Ile Leu Val Leu His Asn Glu Asp Asn Leu Tyr Gly
 1 5 10

<210> 498
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 498
 Met Phe Ile Phe Ile Leu Met Ile His Leu Ile Tyr Met Trp Ile Gln
 1 5 10 15

Gly Thr Lys Phe Met Tyr Lys Ser Ser His Leu Met Asn Val Asp Thr
 20 25 30

Phe Leu Glu Asn Ile Tyr Gln Cys Glu Asn Phe Phe Asn Thr Leu Thr
 35 40 45

Thr Lys Ile Lys Tyr Ser Leu Ile Ser Leu Phe Asn Lys His Gln Asn
 50 55 60

Asn Val Ser Val Phe Ile Leu
 65 70

<210> 499
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 499
 Gly Arg Cys Leu Asp Cys Phe Asn Pro Phe Leu Leu Ser Cys Pro Arg
 1 5 10 15

Ile Gly Leu Val Glu Gln Gly Gly Val Lys Ile Glu Pro Leu Pro Lys
 20 25 30

Glu Val Lys Val Tyr Leu Leu Thr Thr Ser Ser Ala Pro Tyr Cys Met
 35 40 45

His His Ser Leu Val Glu Phe His Leu Lys Glu Leu Arg Asn Lys Asp
 50 55 60

Thr Asn Ile Glu Val Thr Phe Leu Ser Ser Asn Ile Thr Ser Ser Ser
 65 70 75 80

Lys Xaa Thr Ile Pro Lys Gln Xaa Arg Tyr Gly Glu Arg Asn His Xaa
 85 90 95

Pro Met Pro Thr Pro Gln Cys Gln Ile Xaa Gln Val Lys Phe Xaa Phe
 100 105 110

Gln Ser Ser Asn Arg Val Trp Lys Lys Asp Arg Thr Thr Ile Ile Gly
 115 120 125

Lys Phe Cys Thr Ala Leu Leu Pro Val Asn Asp Arg Glu Lys Met Val
 130 135 140

Cys Leu Pro Glu Pro Val Asn Leu Gln Ala Ser Val Thr Val Ser Cys
 145 150 155 160

Asp Leu Lys Ile Ala Cys Val
 165

<210> 500

<211> 1
<212> PRT
<213> Homo sapiens

<400> 500
Met
1

<210> 501
<211> 14
<212> PRT
<213> Homo sapiens

<400> 501
Thr Thr Glu Ile Cys Gly Thr Leu Ile Leu Arg Glu Met Ile
1 5 10

<210> 502
<211> 67
<212> PRT
<213> Homo sapiens

<400> 502
Met Ser Leu Phe Leu Thr Leu Ala Leu Cys Ser Val Leu Leu Val His
1 5 10 15

Leu Asn Val Leu Ala Arg Asn Cys Phe Tyr Asp Ser Gly Phe Val Val
20 25 30

His Pro Trp Ile Trp Leu Gly His Ser Leu Pro Tyr Phe Tyr Phe Ser
35 40 45

Pro Leu Ser Gln Arg Leu Phe Ser Tyr Leu Trp Thr Phe Ile Phe Pro
50 55 60

Cys Arg Leu
65

<210> 503
<211> 67
<212> PRT
<213> Homo sapiens

<400> 503
Met Ser Leu Phe Leu Thr Leu Ala Leu Cys Ser Val Leu Leu Val His
1 5 10 15

Leu Asn Val Leu Ala Arg Asn Cys Phe Tyr Asp Ser Gly Phe Val Val
 20 25 30

His Pro Trp Ile Trp Leu Gly His Ser Leu Pro Tyr Phe Tyr Phe Ser
 35 40 45

Pro Leu Ser Gln Arg Leu Phe Ser Tyr Leu Trp Thr Phe Ile Phe Pro
 50 55 60

Cys Arg Leu
 65

<210> 504
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 504
 Leu Tyr Leu Phe Met
 1 5

<210> 505
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 505
 Ile Ile Tyr Leu Leu Phe Val Thr Lys Trp Glu Ile Arg Lys Lys Val
 1 5 10 15

Arg Lys Tyr Leu Arg Gly Lys Ser Phe Leu Leu Ser His Val Phe Ser
 20 25 30

Thr Cys Leu Pro Trp Tyr Ile Ile Asn Thr Asp Ile Leu His Thr Pro
 35 40 45

Cys Lys Ile Leu Leu Lys Leu Ser Ser Thr Trp His Val Glu Tyr Val
 50 55 60

Pro
 65

<210> 506
 <211> 151
 <212> PRT

<213> Homo sapiens

<400> 506

Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu Ile Val
1 5 10 15

Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu Arg Leu
20 25 30

Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser Ile Ala
35 40 45

Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn Phe Val
50 55 60

Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu Ser Phe
65 70 75 80

Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val Tyr Ser
85 90 95

Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn Pro Ala
100 105 110

Phe Ser Met Leu Asn Asp Ser Asp Asp Asp Val Ile Tyr Gly Ser Asp
115 120 125

Tyr Glu Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala Lys Tyr
130 135 140

Lys Glu Glu Ser Asp Ser Asp
145 150

<210> 507

<211> 31

<212> PRT

<213> Homo sapiens

<400> 507

Leu Phe Leu Pro Phe Ser Met Val Leu Phe Cys Asp Pro Leu Asn Ser
1 5 10 15

Lys Gly Ser Leu Ile Cys Gly Cys Phe Arg Ala Val Leu Pro Arg
20 25 30

<210> 508

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Met Val Val Ala Ala Val Tyr Ile Leu Tyr Leu Leu Phe Leu Ile Val
1 5 10 15

Arg Ala Cys Ser Glu Leu Arg His Met Pro Tyr Val Asp Leu Arg Leu
20 25 30

Lys Phe Leu Thr Ala Leu Thr Phe Val Val Leu Val Ile Ser Ile Ala
35 40 45

Ile Leu Tyr Leu Arg Phe Gly Ala Gln Val Leu Gln Asp Asn Phe Val
50 55 60

Ala Glu Leu Ser Thr His Tyr Gln Asn Ser Ala Glu Phe Leu Ser Phe
65 70 75 80

Tyr Gly Leu Leu Asn Phe Tyr Leu Tyr Thr Leu Ala Phe Val Tyr Ser
85 90 95

Pro Ser Lys Asn Ala Leu Tyr Glu Ser Gln Leu Lys Asp Asn Pro Ala
100 105 110

Phe Ser Met Leu Asn Asp Ser Asp Asp Asp Val Ile Tyr Gly Ser Asp
115 120 125

Tyr Xaa Glu Met Pro Leu Gln Asn Gly Gln Ala Ile Arg Ala Lys Tyr
130 135 140

Lys Glu Glu Ser Asp Ser Asp
145 150

<210> 509

<211> 51

<212> PRT

<213> Homo sapiens

<400> 509

Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
1 5 10 15

Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
20 25 30

Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
 35 40 45

Glu Ala Gly
 50

<210> 510
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 510
 Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
 1 5 10 15

Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
 20 25 30

Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
 35 40 45

Glu Ala Gly
 50

<210> 511
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 511
 Leu Arg Asp Pro Glu Asn Cys Val Glu Cys Gly Asp Gly Glu Cys Ala
 1 5 10 15

Cys Gly Cys Thr His Ile Gly Tyr Leu Cys Val Cys Thr Val Tyr Met
 20 25 30

Gln Gly Cys Val Tyr Val Cys Met Cys Ile Arg Val Trp Val Trp Val
 35 40 45

Trp Gly Val Phe Arg Glu Cys Ala Tyr Thr His Gly Cys Leu Gly Met
 50 55 60

Cys Thr Cys Leu Cys Val Arg Gly Val Cys Val Cys Val Cys Met Val
 65 70 75 80

Cys Val His Met Tyr Ala Leu Val Cys Val His Thr Trp Gly Val Cys
 85 90 95

Ala Tyr Val Glu Val
100

<210> 512
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 512
Met Tyr Arg Gly Xaa Arg Val Lys His Pro Phe Val Phe Arg Lys Leu
1 5 10 15
Gln Val Thr Gln Asp Asp Trp Ile Val Arg Tyr Arg Gly Leu Lys Gly
20 25 30
Asn Ala Glu Val Val His Arg Glu Gln Val Asn Leu Pro Arg Thr Met
35 40 45
Gly Leu Arg His Ala Leu Leu Thr Arg Arg Ala Thr Arg Ser Met Gly
50 55 60
Ala Ile Cys Val Ala Gly Cys Gly Ile Pro Ala Gln Val Ser Leu Ser
65 70 75 80
Lys Arg Gly Ile Leu Leu Val Pro Lys Thr
85 90

<210> 513
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 513
Leu Gly Ser Ala Arg His Arg Pro His Ala Leu Val Leu Gly Met Ser
1 5 10 15
Ser Pro Phe Leu Lys Lys Thr Cys Ser Ala Val Thr Thr Thr Lys Lys
20 25 30

His Gly Glu Asp Trp Ala Xaa Asp Met Met Phe Ser Ser
 35 40 45

<210> 514
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 514
 Leu Thr Ser Phe Gly Leu Arg Ala Ile Leu Ile Phe Gln Met Xaa Ser
 1 5 10 15

Asp Val Asn Xaa Ile Gly Lys His Gln Arg Asn Gly Cys Lys Val Ser
 20 25 30

Gly Thr Glu
 35

<210> 515
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 515
 Met Gly Gln Ala Ser Ala Leu Ala Ser Leu Leu Leu Arg Ala Leu Ala
 1 5 10 15

Leu Val Leu Gly Ala Arg Ile Gly Lys Gly Gly Gln Arg Gly Met Ile
 20 25 30

Ile Ile Ser Ile Ala Ala Leu Pro Ser Thr Gly Cys Gln Glu Leu Tyr
 35 40 45

Ile His
 50

<210> 516
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 516
 Ser Pro Ile Ile Phe Pro Leu Asn His Tyr Thr Arg Ile Ser His Leu
 1 5 10 15
 Cys Pro Pro Asp Ile Leu Gly Trp Ile Ile Leu Gly Leu Gly Gly Cys
 20 25 30
 Pro Val Arg Cys Arg Thr Phe Ser Ser Ile Leu Gly Leu Phe Leu Leu
 35 40 45
 Asp Ala Ser Ser Thr Pro Phe Leu Ser Tyr Asp Arg Leu Lys Cys Pro
 50 55 60
 Pro Gly Lys Arg Trp Trp Gln Asn Tyr Pro Trp
 65 70 75

<210> 517
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 517
 Met Asn Glu Ser Phe Tyr Cys Ser Ala Phe Leu Pro Ala Phe Ile Val
 1 5 10 15
 Cys Trp Ile Leu Ala Ile Leu Ile Val Leu Thr Cys Gly Phe Arg Met
 20 25 30
 Thr Asp Tyr Ile Glu His Leu His Glu Ile Leu Cys His Leu Tyr Ile
 35 40 45
 Phe Phe Gly Lys Ala Ser Ile Ser Gly Leu Ser Thr
 50 55 60

<210> 518
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 518
 Met Asn Glu Ser Phe Tyr Cys Ser Ala Phe Leu Pro Ala Phe Ile Val
 1 5 10 15

Cys Trp Ile Leu Ala Ile Leu Ile Val Leu Thr Cys Gly Phe Arg Met
20 25 30

Thr Asp Tyr Ile Glu His Leu His Glu Ile Leu Cys His Leu Tyr Ile
35 40 45

Phe Phe Gly Lys Ala Ser Ile Ser Gly Leu Ser Thr
50 55 60

<210> 519

<211> 33

<212> PRT

<213> Homo sapiens

<400> 519

Met Ala Ala Ala Trp Phe Ile Leu Leu Phe Lys His Cys Val His Ser
1 5 10 15

Ser Ser Ile Val Asp Leu Ser Phe Lys Glu Ser Ser Pro Trp Asp Ile
20 25 30

Lys

<210> 520

<211> 12

<212> PRT

<213> Homo sapiens

<400> 520

Ala Trp Tyr Val Ile Ile Thr Leu Val Phe Asp Gly
1 5 10

<210> 521

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521
Ala Trp Tyr Val Val Met Ala Leu Thr Xaa Met Xaa Trp Asp Phe
1 5 10 15

<210> 522
<211> 17
<212> PRT
<213> Homo sapiens

<400> 522
Leu Leu Leu Asn Phe Cys Ala Val Thr Ala Phe Phe Thr Pro Ile Leu
1 5 10 15

Gln

<210> 523
<211> 33
<212> PRT
<213> Homo sapiens

<400> 523
Met Ala Ala Ala Trp Phe Ile Leu Leu Phe Lys His Cys Val His Ser
1 5 10 15

Ser Ser Ile Val Asp Leu Ser Phe Lys Glu Ser Ser Pro Trp Asp Ile
20 25 30

Lys

<210> 524
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 524
Leu Trp Arg Tyr Leu Gly Phe Cys Ile Leu Cys His Ile Trp Gln Lys

1		5		10		15									
Thr	Phe	Tyr	Leu	Cys	Cys	His	Glu	Lys	Gly	Cys	Thr	Met	Thr	Gln	Xaa
			20					25					30		
Pro	Pro	Gln	Ala	Ser	Gly	Pro	Ala	Glu	Ala	Lys	Ser	Glu	His	Arg	Glu
		35					40					45			
Lys	Arg	Arg	Lys	Arg	Glu	Asp	Arg	Trp	Gly	Lys	Gln	Glu	Arg	Arg	Asp
	50					55					60				
Arg	Asp	Val	His	Ile	Leu	Gly	Cys	Gln	Val	Trp	His	Ser	Cys	Ser	Ala
65					70					75					80
Arg	Val	Ala	Leu	Ser											
				85											

<210> 525
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 525															
Met	Arg	Ala	Cys	Val	Cys	Val	Tyr	Ala	Cys	Ala	His	Met	Cys	Val	Cys
1				5					10					15	
Leu	Ala	Phe	Ser	Tyr	Leu	Ile	Gly	Cys	Ile	Lys	Cys	Arg	Pro	Lys	Asp
			20					25					30		
Glu	Gly	Glu	Asp	Tyr	Thr	Gln	Ser	Leu	Ala	Val	Thr	Ala	Ser	Val	Gln
		35					40					45			
Lys	Ser	Cys	Val	Trp	Ala	Gln	Asn	Tyr	Ser	Leu	His	Ser	Cys	Asn	Thr
	50					55					60				
Tyr	Ala	Ser	Arg	Xaa	Gln	Arg	Ala	Leu	Ser	Pro	Gly	Leu	His	Asn	Arg
65					70					75					80
Arg	Glu	Lys	Gln	Leu	Cys	Gly	Glu	Leu	Val	Thr					
				85					90						

<210> 526
 <211> 96

<212> PRT

<213> Homo sapiens

<400> 526

Met Arg Ala Cys Val Cys Val Tyr Ala Cys Ala His Met Cys Val Cys
1 5 10 15

Leu Ala Phe Ser Tyr Leu Ile Gly Cys Ile Lys Cys Arg Pro Lys Asp
20 25 30

Glu Gly Glu Asp Leu His Pro Lys Pro Gly Cys Asp Ser Phe Cys Pro
35 40 45

Glu Lys Leu Cys Leu Gly Ser Glu Leu Leu Thr Thr Phe Met Gln Tyr
50 55 60

Ile Cys Lys Gln Gly Ala Glu Ser Phe Ile Thr Gly Ala Thr Gln Gln
65 70 75 80

Lys Gly Lys Thr Val Met Trp Arg Ala Gly Asp Leu Thr Arg Glu Ala
85 90 95

<210> 527

<211> 48

<212> PRT

<213> Homo sapiens

<400> 527

Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile Ile Gly Val
1 5 10 15

Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
20 25 30

Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu Leu Lys
35 40 45

<210> 528

<211> 4

<212> PRT

<213> Homo sapiens

<400> 528
Met Phe Lys Met
1

<210> 529
<211> 10
<212> PRT
<213> Homo sapiens

<400> 529
Ile Tyr Gln His Phe Ser Leu Trp Leu Gly
1 5 10

<210> 530
<211> 48
<212> PRT
<213> Homo sapiens

<400> 530
Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile Ile Gly Val
1 5 10 15

Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
20 25 30

Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu Leu Lys
35 40 45

<210> 531
<211> 22
<212> PRT
<213> Homo sapiens

<400> 531
His Ser Asp Leu Gly Leu Ser Cys Pro Glu Leu Leu Leu Pro Cys Ile
1 5 10 15

Ile Leu Ile Thr Phe Ser
20

<210> 532

<211> 96
 <212> PRT
 <213> Homo sapiens

<400> 532

Met	His	His	His	Ala	His	Leu	Ser	Cys	Tyr	Asp	Phe	Leu	Met	Leu	Leu
1				5					10				15		
Phe	Leu	Leu	Leu	His	Pro	Leu	Leu	Pro	Pro	Pro	Pro	Thr	Ala	Ser	Leu
			20					25					30		
Pro	Pro	Ser	Pro	Leu	Ile	Cys	Leu	Phe	Leu	His	Thr	Val	Pro	Trp	Asn
		35					40					45			
Leu	Ser	Leu	Ala	Ser	Ser	His	Ser	Thr	His	Ser	Leu	Arg	Ala	Leu	Pro
	50					55					60				
Phe	Thr	Ser	Ala	Ile	Val	Tyr	Thr	Phe	Thr	Leu	Asp	His	Ser	Ser	Glu
65					70					75					80
Ile	Ser	Gln	Leu	Leu	His	Pro	Asp	Gly	Cys	Ser	Ala	Pro	Pro	Pro	Gly
				85					90						95

<210> 533
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 533

Met	His	His	His	Ala	His	Leu	Ser	Cys	Tyr	Asp	Phe	Leu	Met	Leu	Leu
1				5					10				15		
Phe	Leu	Leu	Leu	His	Pro	Leu	Leu	Pro	Pro	Pro	Pro	Thr	Ala	Ser	Leu
			20					25					30		
Pro	Pro	Ser	Pro	Leu	Ile	Cys	Leu	Phe	Leu	His	Thr	Val	Pro	Trp	Asn
		35					40					45			
Leu	Ser	Leu	Ala	Ser	Ser	His	Ser	Thr	His	Ser	Leu	Arg	Ala	Leu	Pro
	50					55					60				
Phe	Thr	Ser	Ala	Ile	Val	Tyr	Thr	Phe	Thr	Leu	Asp	His	Ser	Ser	Glu
65					70					75					80
Ile	Ser	Gln	Leu	Leu	His	Pro	Asp	Gly	Cys	Ser	Ala	Pro	Pro	Pro	Gly
				85					90						95

Cys Pro Thr Gly Thr Leu Asn Pro Thr Ser Pro Lys Leu Asn Ser
100 105 110

<210> 534

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 534

Gly Arg Lys Arg Asp Gly Gly Trp Arg Lys Gly Gln Lys Ala Gln Val
1 5 10 15

Glu Val Pro Xaa Leu Leu Ala Arg Arg Ile Leu Trp Pro Leu Gly Gly
20 25 30

Trp Ser Gly Cys Val Asn Gln Ser Leu Ser Gln Trp Arg Ala Gly Leu
35 40 45

Val Val Cys Val Phe Ile Thr Gly Pro His Pro Xaa His Thr His Thr
50 55 60

Arg Thr His Cys Gly Val
65 70

<210> 535

<211> 70

<212> PRT

<213> Homo sapiens

<400> 535

Ala Leu Ser Ile Asn Lys Lys Gln Pro Asn Ala Trp Gly Glu Thr Val
1 5 10 15

Thr Lys Gly Pro Ala Phe Arg Asn Trp Asp Val Lys Gly Val Glu Asn
20 25 30

Gly Trp Gly Val Lys Gly Glu His Val Lys Met Gln Glu Ser Ser Phe
35 40 45

Gly Asp Ile Ala Pro Gly Gly Met Trp Val Ser Met Asn Tyr Met Lys
50 55 60

Gly Cys Pro Ser Cys Ser
65 70

<210> 536

<211> 55

<212> PRT

<213> Homo sapiens

<400> 536

Met Val Ala Val Cys Trp Cys Leu Ala Leu Thr Ala Lys Val Ser Ala
1 5 10 15

Ser Cys Ser Tyr Met Lys Leu Arg Pro Trp Pro Ala Asp Pro Trp Gln
20 25 30

Cys Trp Ala Trp Thr Trp Leu Pro Gln Pro Cys Cys Pro Ala Thr Thr
35 40 45

Gln Thr Leu Ala Trp Cys Ser
50 55

<210> 537

<211> 40

<212> PRT

<213> Homo sapiens

<400> 537

Met Lys Cys Ser Lys Val Leu Thr Gln Leu Ile Leu Phe Thr Pro Leu
1 5 10 15

Gly Val Cys Lys Met Ser Leu Phe Tyr Lys His Asn His Asn Ser Asn
20 25 30

Lys Pro Gln Val Val Ala Ser Val
35 40

<210> 538

<211> 40

<212> PRT

<213> Homo sapiens

<400> 538

Met Lys Cys Ser Lys Val Leu Thr Gln Leu Ile Leu Phe Thr Pro Leu
 1 5 10 15

Gly Val Cys Lys Met Ser Leu Phe Tyr Lys His Asn His Asn Ser Asn
 20 25 30

Lys Pro Gln Val Val Ala Ser Val
 35 40

<210> 539

<211> 195

<212> PRT

<213> Homo sapiens

<400> 539

Arg Gln Ala Val Ile Val Cys Arg Arg Arg Phe Val Met Gly Pro Val
 1 5 10 15

Arg Leu Gly Ile Leu Leu Phe Leu Phe Leu Ala Val His Glu Ala Trp
 20 25 30

Ala Gly Met Leu Lys Glu Glu Asp Asp Asp Thr Glu Arg Leu Pro Ser
 35 40 45

Lys Cys Glu Val Cys Lys Leu Leu Ser Thr Glu Leu Gln Ala Glu Leu
 50 55 60

Ser Arg Thr Gly Arg Ser Arg Glu Val Leu Glu Leu Gly Gln Val Leu
 65 70 75 80

Asp Thr Gly Lys Arg Lys Arg His Val Pro Tyr Ser Val Ser Glu Thr
 85 90 95

Arg Leu Glu Glu Ala Leu Glu Asn Leu Cys Glu Arg Ile Leu Asp Tyr
 100 105 110

Ser Val His Ala Glu Arg Lys Gly Ser Leu Arg Tyr Ala Lys Gly Gln
 115 120 125

Ser Gln Thr Met Ala Thr Leu Lys Gly Leu Val Gln Lys Gly Val Lys
 130 135 140

Val Asp Leu Gly Ile Pro Leu Glu Leu Trp Asp Glu Pro Ser Val Glu
 145 150 155 160

Val Thr Tyr Leu Lys Lys Gln Cys Glu Thr Met Leu Glu Arg Gly Gly
 165 170 175

Arg Gly Gly Arg Gly Arg Gly Arg Gln Asp Asp Gln Asp Arg Lys Pro
 180 185 190

Pro Gln Thr
195

<210> 540

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 540

Trp	Pro	Thr	Val	Ala	Ser	Pro	Arg	Thr	Ala	Ser	Arg	Pro	Xaa	Gly	Pro
1				5					10					15	

Cys	Gln	Asn	Cys	Ala	Cys	Trp	Thr	Thr	Ser	Gly	Ala	Gly	Cys	Arg	Pro
		20					25						30		

Gly	Gln	Thr	Ser	Met	Pro	Pro	Trp	Thr	Thr	Gly	Pro	Arg	Cys	Cys	Thr
		35					40					45			

Ser	Gln	Pro	Pro	Thr	Gly	Ser	Ala	Arg	Arg	Leu	Pro	Cys	Cys	Trp	Asn
	50					55					60				

Thr Glu Pro Ala
65

<210> 541

<211> 201

<212> PRT

<213> Homo sapiens

<400> 541

Arg	Gln	Ala	Val	Ile	Val	Cys	Arg	Arg	Arg	Phe	Val	Met	Gly	Pro	Val
1				5					10					15	

Arg	Leu	Gly	Ile	Leu	Leu	Phe	Leu	Phe	Leu	Ala	Val	His	Glu	Ala	Trp
			20				25						30		

Ala	Gly	Met	Leu	Lys	Glu	Glu	Asp	Asp	Asp	Thr	Glu	Arg	Leu	Pro	Ser
		35					40					45			

Lys	Cys	Glu	Val	Cys	Lys	Leu	Leu	Ser	Thr	Glu	Leu	Gln	Ala	Glu	Leu
	50					55					60				

Ser	Arg	Thr	Gly	Arg	Ser	Arg	Glu	Val	Leu	Glu	Leu	Gly	Gln	Val	Leu
65					70					75					80
Asp	Thr	Gly	Lys	Arg	Lys	Arg	His	Val	Pro	Tyr	Ser	Val	Ser	Glu	Thr
				85					90					95	
Arg	Leu	Glu	Glu	Ala	Leu	Glu	Asn	Leu	Cys	Glu	Arg	Ile	Leu	Asp	Tyr
			100					105					110		
Ser	Val	His	Ala	Glu	Arg	Lys	Gly	Ser	Leu	Arg	Tyr	Ala	Lys	Gly	Gln
		115					120					125			
Ser	Gln	Thr	Met	Ala	Thr	Leu	Lys	Gly	Leu	Val	Gln	Lys	Gly	Val	Lys
	130					135					140				
Val	Asp	Leu	Gly	Ile	Pro	Leu	Glu	Leu	Trp	Asp	Glu	Pro	Ser	Val	Glu
145					150					155					160
Val	Thr	Tyr	Leu	Lys	Lys	Gln	Cys	Glu	Thr	Met	Leu	Glu	Glu	Glu	Glu
				165					170					175	
Glu	Glu	Glu	Glu	Glu	Glu	Gly	Gly	Asp	Lys	Met	Thr	Lys	Thr	Gly	Ser
			180					185					190		
His	Pro	Lys	Leu	Asp	Arg	Glu	Asp	Leu							
		195					200								

<210> 542
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 542
 Met Pro Pro Arg Ala Ala Trp Ala Trp Leu Leu Cys Gly Ala Ser
 1 5 10 15

<210> 543
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 543
 Met Pro Pro Arg Ala Ala Trp Ala Trp Leu Leu Cys Gly Ala Ser
 1 5 10 15

<210> 544

<211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 544
 Ser Gln Leu Leu Arg Arg Xaa Arg Gln Glu Asp Cys Leu Ser Pro Xaa
 1 5 10 15
 Gly Gly Ser Cys Ser Glu Pro Arg Leu Arg His Cys Thr Pro Ala Trp
 20 25 30
 Val Thr Glu Arg Asp Ser Val Ser Lys Lys Lys Lys Lys Thr Ser Glu
 35 40 45
 Val Gly Ala Val Pro Tyr Phe Cys Pro Thr Pro Ile Lys Arg Ile Pro
 50 55 60
 Lys Thr Thr Cys Gly Asn Leu Ile Ile Leu Ser Asn Leu Leu Phe Gly
 65 70 75 80
 Gln Asp Trp His Leu Pro Cys Phe Ser Leu Leu Leu Ala Val Lys His
 85 90 95
 Gly Phe Lys Glu Glu Cys Phe Ser Glu Phe Thr Leu Tyr Ile Ser Asp
 100 105 110
 Leu Glu Val Ile
 115

<210> 545
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 545
 Met Ile Leu Ile Met Ser Met Asp Ser Val Lys Leu Val Leu Gly Trp
 1 5 10 15
 Pro Leu Trp Val Leu Cys Phe Trp Gln Ala Ala Trp Cys Phe Lys Lys
 20 25 30

Ala Phe Glu Trp Gln Gln Thr Leu Pro Leu Tyr Ser Thr Glu Met Val
 35 40 45

Asn Lys Pro
 50

<210> 546
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Ile Leu Ile Met Ser Met Asp Ser Val Lys Leu Val Leu Gly Trp
 1 5 10 15

Pro Leu Trp Val Leu Cys Phe Trp Gln Ala Ala Trp Cys Phe Lys Lys
 20 25 30

Ala Phe Glu Trp Gln Gln Thr Leu Pro Leu Tyr Ser Thr Glu Met Val
 35 40 45

Asn Lys Pro
 50

<210> 547
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 547
 Met Ala Ala Ala Arg Asn Leu Arg Thr Ala Leu Ile Phe Gly Gly Phe
 1 5 10 15

Ile Ser Met Val Gly Ala Ala Phe Tyr Pro Ile Tyr Phe Arg Pro Leu
 20 25 30

Met Arg Leu Glu Glu Tyr Gln Lys Glu Gln Ala Val Asn Arg Ala Gly
 35 40 45

Ile Val Gln Glu Asp Val Gln Pro Pro Gly Leu Lys Val Trp Ser Asp
 50 55 60

Pro Phe Gly Arg Lys
 65

<210> 548
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 548
 Met Ala Ala Ala Arg Asn Leu Arg Thr Ala Leu Ile Phe Gly Gly Phe
 1 5 10 15
 Ile Ser Met Val Gly Ala Ala Phe Tyr Pro Ile Tyr Phe Arg Pro Leu
 20 25 30
 Met Arg Leu Glu Glu Tyr Gln Lys Glu Gln Ala Val Asn Arg Ala Gly
 35 40 45
 Ile Val Gln Glu Asp Val Gln Pro Pro Gly Leu Lys Val Trp Ser Asp
 50 55 60
 Pro Phe Gly Arg Lys
 65

<210> 549
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 549
 Ser Gly Trp Gln Val Pro Ser Ser Val Lys His Leu Pro Tyr Asp Asn
 1 5 10 15
 Leu Arg Ser His Cys Val Ala Asp Glu Gly Glu Thr Glu Val Glu Gly
 20 25 30
 Thr Arg Ala Thr Trp Val Glu His Ser Gly Arg Pro Gly Val Gly Ser
 35 40 45
 Gly Arg Pro Pro Gly Thr Ser Leu Thr Thr Leu Pro Leu Leu Leu Thr
 50 55 60
 His Leu Ser Leu Thr Cys Pro Leu Gly Gly Asp Phe Ser Lys Arg
 65 70 75

<210> 550
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 550

Met Pro Val Pro Leu Leu Ala Ser Ala Ala Trp Cys His Leu Cys Ala
 1 5 10 15
 Gly Ala Leu Pro Ala Trp Leu Trp Leu Pro Trp Arg Ala Ala Ala Ala
 20 25 30
 Gln Trp His Val Cys Ala Ser His Cys Leu Pro Leu His Pro Ala Phe
 35 40 45
 Ser Ala Leu Gly Pro His Pro Asp Pro Gly Arg Ala Gly Pro Gly Ala
 50 55 60
 Ala Pro Arg Asp Cys Ala His Pro Glu Leu His Pro Leu Cys Leu Pro
 65 70 75 80
 Arg Trp Ser Leu Gln Leu Leu Pro Arg
 85

<210> 551
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 551
 Pro Trp Ala Ser Ser His Leu Gly Pro Arg Pro Tyr Val His Gly Leu
 1 5 10 15
 Ala Pro Ser Gly Pro
 20

<210> 552
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 552
 Pro Trp Pro Pro Leu Val
 1 5

<210> 553
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 553
 Pro Trp Pro Pro Leu Val

1 5

<210> 554
<211> 52
<212> PRT
<213> Homo sapiens

<400> 554
Asp Ile Leu Asn Leu Tyr Cys Thr Phe Tyr Leu Arg Gly Ser Ser Phe
1 5 10 15
Thr Cys Val Phe Ile Cys Val Tyr Leu Ser Tyr Ser Lys Arg Ser Arg
20 25 30
Glu Ser Pro Cys Pro Arg Ser Ser Ile Leu Arg Ser Glu Asp Val Gln
35 40 45
Asn Ser Ser Arg
50

<210> 555
<211> 39
<212> PRT
<213> Homo sapiens

<400> 555
Met Gly Gly Asn Val Leu Ile Phe His Phe Arg Cys Leu Trp Lys Cys
1 5 10 15
Trp Gly Arg Val Arg Gly Leu Phe Leu Ser Gly Gly Pro Leu Thr Gln
20 25 30
Ser Ile Phe Asn Ser Leu Phe
35

<210> 556
<211> 12
<212> PRT
<213> Homo sapiens

<400> 556
Gly Gly Asn Val Leu Ile Phe His Phe Arg Cys Leu
1 5 10

<210> 557
<211> 70
<212> PRT
<213> Homo sapiens

<400> 557
Met Ser His Cys Thr Trp Pro Leu Asp Tyr Ser Phe Leu Phe Met Ser
1 5 10 15
Cys Ala Ser Ile Cys Gly Gln His Gly Ala Ser Val Gly Asn Thr Gly
20 25 30
Arg Lys Gln Val Gln Ile Trp Leu Gly Leu Leu Ala Trp Gln Leu Gly
35 40 45
Lys Pro Pro Leu Leu Trp Leu Leu Pro Arg Leu Phe Met Thr Val Ala
50 55 60
Ala His Gln Leu Gln Leu
65 70

<210> 558
<211> 70
<212> PRT
<213> Homo sapiens

<400> 558
Met Ser His Cys Thr Trp Pro Leu Asp Tyr Ser Phe Leu Phe Met Ser
1 5 10 15
Cys Ala Ser Ile Cys Gly Gln His Gly Ala Ser Val Gly Asn Thr Gly
20 25 30
Arg Lys Gln Val Gln Ile Trp Leu Gly Leu Leu Ala Trp Gln Leu Gly
35 40 45
Lys Pro Pro Leu Leu Trp Leu Leu Pro Arg Leu Phe Met Thr Val Ala
50 55 60
Ala His Gln Leu Gln Leu
65 70

<210> 559
<211> 62
<212> PRT
<213> Homo sapiens

<400> 559

Val	Tyr	Gln	Arg	Lys	Ser	Thr	Val	Val	Leu	Gly	Gly	Phe	Leu	Leu	Trp
1				5					10					15	
Asp	Ile	Asp	Phe	Leu	Phe	Phe	Phe	Arg	Asn	Ile	Val	Cys	Cys	Asn	Leu
			20					25					30		
Asn	Lys	Asn	Tyr	Asp	Ile	Leu	Arg	Tyr	Phe	Ile	Asp	Lys	Pro	Asn	Lys
		35					40					45			
Asn	Ile	Cys	Phe	Tyr	Phe	Lys	Val	Asn	Val	Phe	Leu	Phe	Ser		
	50					55					60				

<210> 560
 <211> 47
 <212> PRT
 <213> Homo sapiens

Met	Leu	Arg	Phe	Ser	Ser	Ser	Leu	Leu	Glu	Cys	Leu	Leu	Ser	Pro	Leu
1				5					10					15	
Cys	Leu	Thr	Asp	Ala	Thr	Gly	His	His	Leu	Asp	His	Pro	Ile	Leu	Val
			20					25					30		
Pro	Val	Gln	Val	Gln	Lys	Arg	Asn	Asn	Val	Leu	Lys	Phe	Thr	Ser	
		35					40					45			

<210> 561
 <211> 49
 <212> PRT
 <213> Homo sapiens

Met	Leu	Ile	Thr	Ile	Ser	Leu	Glu	Leu	Leu	Leu	Arg	Leu	Val	Gly	Ala
1				5					10					15	
Ala	Leu	Gln	Glu	Lys	Gln	Gln	Pro	Leu	Ser	Leu	Pro	Ser	Cys	Gly	Glu
			20					25					30		
Gln	Gly	Gly	Asp	Glu	Arg	Tyr	Leu	Gly	Arg	Pro	Gly	Lys	Ser	Leu	Lys
		35					40					45			

Asn

<210> 562

<211> 49
<212> PRT
<213> Homo sapiens

<400> 562
Met Leu Ile Thr Ile Ser Leu Glu Leu Leu Leu Arg Leu Val Gly Ala
1 5 10 15
Ala Leu Gln Glu Lys Gln Gln Pro Leu Ser Leu Pro Ser Cys Gly Glu
20 25 30
Gln Gly Gly Asp Glu Arg Tyr Leu Gly Arg Pro Gly Lys Ser Leu Lys
35 40 45

Asn

<210> 563
<211> 47
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 563
Met Leu Ile Phe Ser Phe Leu Ser Phe Trp Phe Phe Gln Ser Cys Gln
1 5 10 15
Gly Phe Ile Tyr Phe Met Ser Ile Xaa Glu Glu Pro Val Ala Asp Phe
20 25 30
Val His Leu Tyr Cys Val Phe Tyr Phe Gln Gly Cys Ser Tyr Leu
35 40 45

<210> 564
<211> 128
<212> PRT
<213> Homo sapiens

<400> 564
Phe Ser Asn Thr Trp Ser Phe Pro Lys Asp Ala Phe Tyr Thr Asp Phe
1 5 10 15
Tyr Leu Lys Ser Ile Val Val Arg Glu Tyr Cys Val Phe Cys Ser Asn
20 25 30

Pro Leu Lys Tyr Ile Glu Thr Cys Leu Ile Cys Lys Tyr Arg Phe Ser
 35 40 45
 Tyr Phe Ser Ile Cys Asp Trp Lys Asn Ile Asn Leu Thr Ile Trp Gly
 50 55 60
 Tyr Ser Ile His Thr Ile His Thr Asn Ile Tyr Val Phe Ser Val Leu
 65 70 75 80
 Gln Asn Phe Tyr Ile Phe Pro Gly Ile Cys Leu Leu Ala Ser Leu Ile
 85 90 95
 Thr Glu Arg Cys Thr Ile Leu Ser Cys Thr Phe Phe Cys Cys Ser Leu
 100 105 110
 Ile Phe Leu Ser Tyr Pro Tyr Gly Asn Cys Ile Lys Cys Ile Pro Ile
 115 120 125

<210> 565
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 565
 Met Leu Ile Phe Ser Phe Leu Ser Phe Trp Phe Phe Gln Ser Cys Gln
 1 5 10 15
 Gly Phe Ile Tyr Phe Met Ser Ile Phe Glu Glu Pro Val Ala Asp Phe
 20 25 30
 Val His Leu Tyr Cys Val Phe Tyr Phe Gln Gly Cys Ser Tyr Leu
 35 40 45

<210> 566
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 566
 Pro Cys Ser Trp Leu Arg Ala Val Thr Leu Cys Gln Asn Leu His Trp
 1 5 10 15
 Ala Cys Thr Ser Cys His Cys Asn Cys Pro Cys Gln Cys Pro Gln Leu
 20 25 30

Leu Phe

<210> 567

<211> 193

<212> PRT

<213> Homo sapiens

<400> 567

Met	Cys	Leu	Leu	Phe	Leu	Leu	Pro	Arg	Phe	Pro	Val	Ser	Trp	Arg	Ala	
1				5					10					15		
Gly	Val	Asp	Gly	Ala	Ala	Pro	Ser	Ser	Gln	Asp	Leu	Trp	Arg	Ile	Arg	
			20					25					30			
Ser	Pro	Cys	Gly	Asp	Cys	Glu	Gly	Phe	Asp	Val	His	Ile	Met	Asp	Asp	
		35					40					45				
Met	Ile	Lys	Arg	Ala	Leu	Asp	Phe	Arg	Glu	Ser	Arg	Glu	Ala	Glu	Pro	
	50					55					60					
His	Pro	Leu	Trp	Glu	Tyr	Pro	Cys	Arg	Ser	Leu	Ser	Glu	Pro	Trp	Gln	
65					70					75					80	
Ile	Leu	Thr	Phe	Asp	Phe	Gln	Gln	Pro	Val	Pro	Leu	Gln	Pro	Leu	Cys	
				85					90					95		
Ala	Glu	Gly	Thr	Val	Glu	Leu	Arg	Arg	Pro	Gly	Gln	Ser	His	Ala	Ala	
			100					105					110			
Val	Leu	Trp	Met	Glu	Tyr	His	Leu	Thr	Pro	Glu	Cys	Thr	Leu	Ser	Thr	
		115					120					125				
Gly	Leu	Leu	Glu	Pro	Ala	Asp	Pro	Glu	Gly	Gly	Cys	Cys	Trp	Asn	Pro	
	130					135					140					
His	Cys	Lys	Gln	Ala	Val	Tyr	Phe	Phe	Ser	Pro	Ala	Pro	Asp	Pro	Arg	
145					150					155					160	
Ala	Leu	Leu	Gly	Gly	Pro	Arg	Thr	Val	Ser	Tyr	Ala	Val	Glu	Phe	His	
				165					170					175		
Pro	Asp	Thr	Gly	Asp	Ile	Ile	Met	Glu	Phe	Arg	His	Ala	Asp	Thr	Pro	
			180					185					190			

Asp

<210> 568
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 568
 Met Cys Leu Leu Phe Leu Leu Pro Arg Phe Pro Val Ser Trp Arg Ala
 1 5 10 15
 Gly Val Asp Gly Ala Ala Pro Ser Ser Gln Asp Leu Trp Arg Ile Arg
 20 25 30
 Ser Pro Cys Gly Asp Cys Glu Gly Phe Asp Val His Ile Met Asp Asp
 35 40 45
 Met Ile Lys Val Gly Arg Ala Thr Leu Cys Ile Val Pro Pro Thr Cys
 50 55 60
 Ser Cys Ile Ala Gly Leu Ser Gln Gly Pro Ser Leu Gly Ser Thr Gly
 65 70 75 80
 Ser Ser Val Gly Gly Ser Glu Val Arg Cys Cys His Phe Val Trp Phe
 85 90 95
 Asn Met Ser Ile Ala Trp Tyr Gln Pro Cys Ser Trp Leu Arg Ala Val
 100 105 110
 Thr Leu Cys Gln Asn Leu His Trp Ala Cys Thr Ser Cys His Cys Asn
 115 120 125
 Cys Pro Cys Gln Cys Pro Gln Leu Leu Phe
 130 135

<210> 569
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 569
 Met Arg Gly Asp Ala Pro Pro Ile Asn Leu Gly Cys Leu Pro Phe Phe
 1 5 10 15
 Leu Cys Leu Phe Phe Phe Cys His Leu Lys Tyr Tyr Leu Ser Leu Leu
 20 25 30
 Gly Asn Leu Arg Pro Ile Asp Glu Val Tyr Met Cys Leu Ser Asp Ile
 35 40 45

<210> 570
<211> 17
<212> PRT
<213> Homo sapiens

<400> 570
Phe Leu Ser Leu Leu Phe Phe Phe Leu Ala Phe Ser Phe Phe Thr Glu
1 5 10 15

Ala

<210> 571
<211> 48
<212> PRT
<213> Homo sapiens

<400> 571
Met Arg Gly Asp Ala Pro Pro Ile Asn Leu Gly Cys Leu Pro Phe Phe
1 5 10 15

Leu Cys Leu Phe Phe Phe Cys His Leu Lys Tyr Tyr Leu Ser Leu Leu
20 25 30

Gly Asn Leu Arg Pro Ile Asp Glu Val Tyr Met Cys Leu Ser Asp Ile
35 40 45

<210> 572
<211> 184
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (181)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (182)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 572

Val	Arg	Met	Lys	Tyr	Leu	Phe	Phe	Ser	Trp	Leu	Val	Val	Phe	Val	Gly
1				5					10					15	
Ser	Trp	Ile	Ile	Tyr	Val	Gln	Tyr	Ser	Thr	Tyr	Thr	Glu	Leu	Cys	Arg
			20					25					30		
Gly	Lys	Asp	Cys	Lys	Lys	Ile	Ile	Cys	Asp	Lys	Tyr	Lys	Thr	Gly	Val
		35					40					45			
Ile	Asp	Gly	Pro	Ala	Cys	Asn	Ser	Leu	Cys	Val	Thr	Glu	Thr	Leu	Tyr
	50					55					60				
Phe	Gly	Lys	Cys	Leu	Ser	Thr	Lys	Pro	Asn	Asn	Gln	Met	Tyr	Leu	Gly
65					70					75					80
Ile	Trp	Asp	Asn	Leu	Pro	Gly	Val	Val	Lys	Cys	Gln	Met	Glu	Gln	Ala
			85						90					95	
Leu	His	Leu	Asp	Phe	Gly	Thr	Glu	Leu	Glu	Pro	Arg	Lys	Glu	Ile	Val
			100					105					110		
Leu	Phe	Asp	Lys	Pro	Thr	Arg	Gly	Thr	Thr	Val	Gln	Lys	Phe	Lys	Glu
		115					120					125			
Met	Val	Tyr	Ser	Leu	Phe	Lys	Ala	Lys	Leu	Gly	Asp	Gln	Gly	Asn	Leu
	130					135					140				
Ser	Glu	Leu	Val	Asn	Leu	Ile	Leu	Xaa	Val	Ala	Asp	Gly	Asp	Lys	Asp
145					150					155					160
Gly	Gln	Val	Ser	Leu	Gly	Glu	Ala	Lys	Ser	Ala	Trp	Ala	Leu	Leu	Gln
				165					170					175	
Leu	Xaa	Glu	Phe	Xaa	Xaa	His	Gly								
			180												

<210> 573
 <211> 3

<212> PRT
 <213> Homo sapiens

<400> 573
 Tyr Thr Val
 1

<210> 574
 <211> 403
 <212> PRT
 <213> Homo sapiens

<400> 574
 Met Lys Tyr Leu Phe Phe Ser Trp Leu Val Val Phe Val Gly Ser Trp
 1 5 10 15
 Ile Ile Tyr Val Gln Tyr Ser Thr Tyr Thr Glu Leu Cys Arg Gly Lys
 20 25 30
 Asp Cys Lys Lys Ile Ile Cys Asp Lys Tyr Lys Thr Gly Val Ile Asp
 35 40 45
 Gly Pro Ala Cys Asn Ser Leu Cys Val Thr Glu Thr Leu Tyr Phe Gly
 50 55 60
 Lys Cys Leu Ser Thr Lys Pro Asn Asn Gln Met Tyr Leu Gly Ile Trp
 65 70 75 80
 Asp Asn Leu Pro Gly Val Val Lys Cys Gln Met Glu Gln Ala Leu His
 85 90 95
 Leu Asp Phe Gly Thr Glu Leu Glu Pro Arg Lys Glu Ile Val Leu Phe
 100 105 110
 Asp Lys Pro Thr Arg Gly Thr Thr Val Gln Lys Phe Lys Glu Met Val
 115 120 125
 Tyr Ser Leu Phe Lys Ala Lys Leu Gly Asp Gln Gly Asn Leu Ser Glu
 130 135 140
 Leu Val Asn Leu Ile Leu Thr Val Ala Asp Gly Asp Lys Asp Gly Gln
 145 150 155 160
 Val Ser Leu Gly Glu Ala Lys Ser Ala Trp Ala Leu Leu Gln Leu Asn
 165 170 175
 Glu Phe Leu Leu Met Val Ile Leu Gln Asp Lys Glu His Thr Pro Lys
 180 185 190
 Leu Met Gly Phe Cys Gly Asp Leu Tyr Val Met Glu Ser Val Glu Tyr

Phe Leu Phe Cys Phe Asn Glu Ile Phe Phe Leu Leu Leu Met Leu Leu
20 25 30

Val Phe Pro Trp Leu Leu Ser Lys Ala Val Ser Gly Phe Ala Glu Arg
35 40 45

Leu Glu Met Thr Thr Ile Phe Arg Val Ser Arg Ser
50 55 60

<210> 576

<211> 60

<212> PRT

<213> Homo sapiens

<400> 576

Met Ser Arg Phe Ser Gln Asn Phe Arg Gly Lys Glu Asp His Ile Val
1 5 10 15

Phe Leu Phe Cys Phe Asn Glu Ile Phe Phe Leu Leu Leu Met Leu Leu
20 25 30

Val Phe Pro Trp Leu Leu Ser Lys Ala Val Ser Gly Phe Ala Glu Arg
35 40 45

Leu Glu Met Thr Thr Ile Phe Arg Val Ser Arg Ser
50 55 60

<210> 577

<211> 127

<212> PRT

<213> Homo sapiens

<400> 577

Met Gly Gln Val Trp Arg Val Pro Pro Leu Leu Leu Ser Val Gln Val
1 5 10 15

Phe Leu Thr Met Ala His Ala Phe His Gln Ala Pro Glu Leu Gln Trp
20 25 30

Leu Gly Leu Trp Phe Trp Val Arg Leu Phe Ala Gly Gly Asp Gly Gly
35 40 45

Leu His Leu Asn Ile Ser Ser Val Thr Leu Pro Leu Leu His Gly Lys
50 55 60

Gln Leu Ser Arg Glu Val Pro Ser Cys Gln Gly Lys Pro Arg Leu Gly
65 70 75 80

Arg Pro Pro Tyr Lys Glu Pro Gln Asp Cys Ser His Gly Cys His Leu
85 90 95

Ser Trp Lys Gly Arg Phe Met Gly Phe Pro Gly Thr Pro Arg Leu Ser
100 105 110

Trp Pro Arg Gly Lys Arg Trp Leu Leu Gln Glu Phe Asp Leu Ser
115 120 125

<210> 578

<211> 9

<212> PRT

<213> Homo sapiens

<400> 578

Leu Gly Lys Pro Trp Arg Tyr Pro Thr
1 5

<210> 579

<211> 127

<212> PRT

<213> Homo sapiens

<400> 579

Met Gly Gln Val Trp Arg Val Pro Pro Leu Leu Leu Ser Val Gln Val
1 5 10 15

Phe Leu Thr Met Ala His Ala Phe His Gln Ala Pro Glu Leu Gln Trp
20 25 30

Leu Gly Leu Trp Phe Trp Val Arg Leu Phe Ala Gly Gly Asp Gly Gly
35 40 45

Leu His Leu Asn Ile Ser Ser Val Thr Leu Pro Leu Leu His Gly Lys
50 55 60

Gln Leu Ser Arg Glu Val Pro Ser Cys Gln Gly Lys Pro Arg Leu Gly
65 70 75 80

Arg Pro Pro Tyr Lys Glu Pro Gln Asp Cys Ser His Gly Cys His Leu
85 90 95

Ser Trp Lys Gly Arg Phe Met Gly Phe Pro Gly Thr Pro Arg Leu Ser
100 105 110

Trp Pro Arg Gly Lys Arg Trp Leu Leu Gln Glu Phe Asp Leu Ser
115 120 125

<210> 580
<211> 61
<212> PRT
<213> Homo sapiens

<400> 580
Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
1 5 10 15
Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
20 25 30
Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
35 40 45
His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
50 55 60

<210> 581
<211> 61
<212> PRT
<213> Homo sapiens

<400> 581
Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
1 5 10 15
Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser
20 25 30
Ile Asp Glu Gln Ile Asn Asn Leu Gln Tyr Ile Cys Thr Met Glu Tyr
35 40 45
His Ser Ala Leu Gln Lys Glu Met Leu Leu Tyr Leu Gln
50 55 60

<210> 582
<211> 61
<212> PRT
<213> Homo sapiens

<400> 582
Met Lys Ser Ala Leu His Arg Asp Ile Cys Ile Leu Met Leu Thr Ala
1 5 10 15
Ala Leu Phe Thr Ile Ala Lys Thr Glu Lys Gln His Lys Cys Pro Ser

	20		25		30										
Ile	Asp	Glu	Gln	Ile	Asn	Asn	Leu	Gln	Tyr	Ile	Cys	Thr	Met	Glu	Tyr
		35					40					45			
His	Ser	Ala	Leu	Gln	Lys	Glu	Met	Leu	Leu	Tyr	Leu	Gln			
	50					55					60				

<210> 583
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 583															
Met	Leu	Val	Ser	Met	Cys	Met	Gly	Leu	Leu	Phe	Leu	Gln	Val	Gly	Lys
1				5					10					15	
Gln	Cys	Ile	Ala	Phe	Phe	Tyr	Thr	Glu	Ser	Thr	Arg	Arg	Pro	Lys	His
			20					25					30		
Leu	Lys	Thr	Met	Gly	Ser	Gly	Tyr	Ala							
		35					40								

<210> 584
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 584															
Met	Leu	Val	Ser	Met	Cys	Met	Gly	Leu	Leu	Phe	Leu	Gln	Val	Gly	Lys
1				5					10					15	
Gln	Cys	Ile	Ala	Phe	Phe	Tyr	Thr	Glu	Ser	Thr	Arg	Arg	Pro	Lys	His
			20					25					30		
Leu	Lys	Thr	Met	Gly	Ser	Gly	Tyr	Ala							
		35					40								

<210> 585
 <211> 241
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 585

Met	Phe	Lys	Leu	Arg	Gln	Met	Arg	Val	Glu	Lys	Phe	Ile	Tyr	Glu	Asn	
1				5					10					15		
His	Pro	Asp	Val	Phe	Ser	Asp	Ser	Ser	Met	Asp	His	Phe	Gln	Lys	Phe	
			20					25					30			
Leu	Pro	Thr	Val	Gly	Gly	Gln	Leu	Gly	Thr	Ala	Gly	Gln	Gly	Phe	Ser	
		35					40					45				
Tyr	Ser	Lys	Ser	Asn	Gly	Arg	Gly	Gly	Xaa	Gln	Ala	Gly	Gly	Ser	Gly	
	50					55					60					
Ser	Ala	Gly	Gln	Tyr	Gly	Ser	Asp	Gln	Gln	His	His	Leu	Gly	Ser	Gly	
65					70					75					80	
Ser	Gly	Ala	Gly	Gly	Thr	Gly	Gly	Pro	Ala	Gly	Gln	Ala	Gly	Arg	Gly	
				85					90					95		
Gly	Ala	Ala	Gly	Thr	Ala	Gly	Val	Gly	Glu	Thr	Gly	Ser	Gly	Asp	Gln	
			100					105					110			
Ala	Gly	Gly	Glu	Gly	Lys	His	Ile	Thr	Val	Phe	Lys	Thr	Tyr	Ile	Ser	
		115					120					125				
Pro	Trp	Glu	Arg	Ala	Met	Gly	Val	Asp	Pro	Gln	Gln	Lys	Met	Glu	Leu	
	130					135						140				
Gly	Ile	Asp	Leu	Leu	Ala	Tyr	Gly	Ala	Lys	Ala	Glu	Leu	Pro	Lys	Tyr	
145					150					155					160	
Lys	Ser	Phe	Asn	Arg	Thr	Ala	Met	Pro	Tyr	Gly	Gly	Tyr	Glu	Lys	Ala	
				165					170					175		
Ser	Lys	Arg	Met	Thr	Phe	Gln	Met	Pro	Lys	Phe	Asp	Leu	Gly	Pro	Leu	
			180					185					190			
Leu	Ser	Glu	Pro	Leu	Val	Leu	Tyr	Asn	Gln	Asn	Leu	Ser	Asn	Arg	Pro	
		195					200					205				
Ser	Phe	Asn	Arg	Thr	Pro	Ile	Pro	Trp	Leu	Ser	Ser	Gly	Glu	Pro	Val	
	210					215					220					
Asp	Tyr	Asn	Val	Asp	Ile	Gly	Ile	Pro	Leu	Asp	Gly	Glu	Thr	Glu	Glu	
225					230					235					240	
Leu																

<210> 586

<211> 241

<212> PRT

<213> Homo sapiens

<400> 586

Met Phe Lys Leu Arg Gln Met Arg Val Glu Lys Phe Ile Tyr Glu Asn
1 5 10 15

His Pro Asp Val Phe Ser Asp Ser Ser Met Asp His Phe Gln Lys Phe
20 25 30

Leu Pro Thr Val Gly Gly Gln Leu Gly Thr Ala Gly Gln Gly Phe Ser
35 40 45

Tyr Ser Lys Ser Asn Gly Arg Gly Gly Ser Gln Ala Gly Gly Ser Gly
50 55 60

Ser Ala Gly Gln Tyr Gly Ser Asp Gln Gln His His Leu Gly Ser Gly
65 70 75 80

Ser Gly Ala Gly Gly Thr Gly Gly Pro Ala Gly Gln Ala Gly Arg Gly
85 90 95

Gly Ala Ala Gly Thr Ala Gly Val Gly Glu Thr Gly Ser Gly Asp Gln
100 105 110

Ala Gly Gly Glu Gly Lys His Ile Thr Val Phe Lys Thr Tyr Ile Ser
115 120 125

Pro Trp Glu Arg Ala Met Gly Val Asp Pro Gln Gln Lys Met Glu Leu
130 135 140

Gly Ile Asp Leu Leu Ala Tyr Gly Ala Lys Ala Glu Leu Pro Lys Tyr
145 150 155 160

Lys Ser Phe Asn Arg Thr Ala Met Pro Tyr Gly Gly Tyr Glu Lys Ala
165 170 175

Ser Lys Arg Met Thr Phe Gln Met Pro Lys Phe Asp Leu Gly Pro Leu
180 185 190

Leu Ser Glu Pro Leu Val Leu Tyr Asn Gln Asn Leu Ser Asn Arg Pro
195 200 205

Ser Phe Asn Arg Thr Pro Ile Pro Trp Leu Ser Ser Gly Glu Pro Val
210 215 220

Asp Tyr Asn Val Asp Ile Gly Ile Pro Leu Asp Gly Glu Thr Glu Glu
225 230 235 240

Leu

<210> 587
<211> 17
<212> PRT
<213> Homo sapiens

<400> 587
Arg Phe Pro Ile Ser Pro His Pro Tyr Gln His Ala Phe Leu Phe Phe
1 5 10 15

Phe

<210> 588
<211> 39
<212> PRT
<213> Homo sapiens

<400> 588
Leu Arg Val Ala Val Gly Leu Cys Pro Arg Asp Ala Leu Leu Leu Ser
1 5 10 15
Pro Pro Arg Val Val Val Cys Gly Val Thr Asp Val Val Val Asp Lys
20 25 30

Gly Val Gly Leu Leu Val Val
35

<210> 589
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589
Met Arg Val Thr Xaa Ser Ser His Pro Cys Gln Arg Leu Val Leu Gln
1 5 10 15

Cys Ser Gly Phe Trp Leu Phe
20

<210> 590
<211> 27
<212> PRT
<213> Homo sapiens

<400> 590
Met Arg Val Thr Val Ser Ser His Pro Cys Gln Arg Leu Val Leu Ser
1 5 10 15
Val Phe Trp Leu Leu Ala Ile Leu Ile Gly Val
20 25

<210> 591
<211> 55
<212> PRT
<213> Homo sapiens

<400> 591
Met Glu Ser Ser Thr Gly Lys Ala Ser Pro Arg Cys His Ile His Cys
1 5 10 15
Val Pro Pro Phe Pro Pro Pro Cys Pro Val Lys Arg Val Gly Arg Leu
20 25 30
Phe Leu Phe Phe Gln His Phe Pro Gln Gly Thr Val Ile Ile Pro Leu
35 40 45
Met Pro Ser Pro Pro Leu Asp
50 55

<210> 592
<211> 314
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (129)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 592
Tyr Ser Lys Thr His Ser Ile Lys Ser Ala Gln Pro Gly Val Pro Thr
1 5 10 15
Ser Ala Arg Ser Pro Arg Gln Pro Ser Pro Gly Pro Thr Pro Pro Pro

20					25					30					
Phe	Pro	Gly	Asn	Arg	Gly	Thr	Ala	Leu	Gly	Gly	Gly	Ser	Ile	Arg	Gln
		35					40					45			
Ser	Pro	Leu	Ser	Ser	Ser	Ser	Pro	Phe	Ser	Asn	Arg	Pro	Pro	Leu	Pro
	50					55					60				
Pro	Thr	Pro	Ser	Arg	Ala	Leu	Asp	Asp	Lys	Pro	Pro	Pro	Pro	Pro	Pro
	65					70					75				80
Pro	Val	Gly	Asn	Arg	Pro	Ser	Ile	His	Arg	Glu	Ala	Val	Pro	Pro	Pro
				85					90					95	
Pro	Pro	Gln	Asn	Asn	Lys	Pro	Pro	Val	Pro	Ser	Thr	Pro	Arg	Pro	Ser
			100					105					110		
Ala	Ala	Ser	Gln	Ala	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Ser	Arg	Pro	Gly
		115					120					125			
Xaa	Pro	Pro	Leu	Pro	Pro	Ser	Ser	Ser	Gly	Asn	Asp	Glu	Thr	Pro	Arg
	130					135					140				
Leu	Pro	Gln	Arg	Asn	Leu	Ser	Leu	Ser	Ser	Ser	Thr	Pro	Pro	Leu	Pro
	145					150					155				160
Ser	Pro	Gly	Arg	Ser	Gly	Pro	Leu	Pro	Pro	Pro	Pro	Ser	Glu	Arg	Pro
				165					170					175	
Pro	Pro	Pro	Val	Arg	Asp	Pro	Pro	Gly	Arg	Ser	Gly	Pro	Leu	Pro	Pro
			180					185					190		
Pro	Pro	Pro	Val	Ser	Arg	Asn	Gly	Ser	Thr	Ser	Arg	Ala	Leu	Pro	Ala
		195					200					205			
Thr	Pro	Gln	Leu	Pro	Ser	Arg	Ser	Gly	Val	Asp	Ser	Pro	Arg	Ser	Gly
	210					215					220				
Pro	Arg	Pro	Pro	Leu	Pro	Pro	Asp	Arg	Pro	Ser	Ala	Gly	Ala	Pro	Pro
	225					230					235				240
Pro	Pro	Pro	Pro	Ser	Thr	Ser	Ile	Arg	Asn	Gly	Phe	Gln	Asp	Ser	Pro
				245					250					255	
Cys	Glu	Asp	Glu	Trp	Glu	Ser	Arg	Phe	Tyr	Phe	His	Pro	Ile	Ser	Asp
			260					265					270		
Leu	Pro	Pro	Pro	Glu	Pro	Tyr	Val	Gln	Thr	Thr	Lys	Ser	Tyr	Pro	Ser
		275					280					285			
Lys	Leu	Ala	Arg	Asn	Glu	Ser	Arg	Ser	Gly	Ser	Asn	Arg	Arg	Glu	Arg
	290					295					300				

Gly Ala Pro Pro Leu Pro Pro Ile Pro Arg
305 310

<210> 593
<211> 55
<212> PRT
<213> Homo sapiens

<400> 593
Met Glu Ser Ser Thr Gly Lys Ala Ser Pro Arg Cys His Ile His Cys
1 5 10 15
Val Pro Pro Phe Pro Pro Pro Cys Pro Val Lys Arg Val Gly Arg Leu
20 25 30
Phe Leu Phe Phe Gln His Phe Pro Gln Gly Thr Val Ile Ile Pro Leu
35 40 45
Met Pro Ser Pro Pro Leu Asp
50 55

<210> 594
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 594
Phe Ile Ile His Ser Ile Ser Pro Val Ala Leu Asn Pro Gln Ala His
1 5 10 15
Asp Leu Pro Phe Ser Leu Xaa Ser Cys Val Ser Val Phe Asn Leu Arg
20 25 30
Ser Phe Pro Thr Met Asp Ser Cys Thr Thr Leu Asn Glu Thr Ser Ile
35 40 45
Phe Gln Arg Arg Val
50

<210> 595

Ala Phe Asn Lys Ile
260

<210> 596
<211> 44
<212> PRT
<213> Homo sapiens

<400> 596
Met Lys Lys Glu Met Val Leu Leu Thr Thr Thr Tyr Phe Ser Leu His
1 5 10 15

Val Lys Val Phe Phe Cys Leu Phe Val Cys Phe Ser Ile Leu Ser Ser
20 25 30

Ser Arg Arg Gly Ser Leu Ala Asn Asn Ser Ser Trp
35 40

<210> 597
<211> 44
<212> PRT
<213> Homo sapiens

<400> 597
Met Lys Lys Glu Met Val Leu Leu Thr Thr Thr Tyr Phe Ser Leu His
1 5 10 15

Val Lys Val Phe Phe Cys Leu Phe Val Cys Phe Ser Ile Leu Ser Ser
20 25 30

Ser Arg Arg Gly Ser Leu Ala Asn Asn Ser Ser Trp
35 40

<210> 598
<211> 42
<212> PRT
<213> Homo sapiens

<400> 598
Met Phe Thr Leu Leu Leu Ser Ser Phe Phe Leu Gln His Cys Leu Gln
1 5 10 15

Asn Asn Leu Tyr Ala Ser Glu Arg Glu Gln Ile Phe Ser Asn Phe Leu
20 25 30

Gln Leu Ser Ser Leu Lys Arg Arg Ile Cys
35 40

<210> 599
<211> 6
<212> PRT
<213> Homo sapiens

<400> 599
Leu Leu Leu Ser Ser Phe
1 5

<210> 600
<211> 42
<212> PRT
<213> Homo sapiens

<400> 600
Met Phe Thr Leu Leu Leu Ser Ser Phe Phe Leu Gln His Cys Leu Gln
1 5 10 15

Asn Asn Leu Tyr Ala Ser Glu Arg Glu Gln Ile Phe Ser Asn Phe Leu
20 25 30

Gln Leu Ser Ser Leu Lys Arg Arg Ile Cys
35 40

<210> 601
<211> 86
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (76)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 601
 Leu Gly Ser Pro Glu Xaa Ala Gln Lys Val Asp Ile Thr Ser Ala His
 1 5 10 15
 Phe Ile Gly Gln Xaa Ser Arg Pro Ser Asp Phe Ala Gln Val Xaa Ser
 20 25 30
 Leu Glu Gly Ser Arg Pro Val Ile Trp Ser Leu Asn Gly Trp Thr Leu
 35 40 45
 Lys Glu Thr Pro Arg Ala Asp Gly Val Phe Thr Glu Thr Ala Gly Gln
 50 55 60
 Gly Leu Gly Thr Ala Gln Gly His Leu Leu Trp Xaa Ala Ala Ala Thr
 65 70 75 80
 Gly Ser Pro Asp Cys Ser
 85

<210> 602
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 602
 Met Gly Val Ala Leu Pro Ser Pro Leu Leu Cys Ser Leu Pro Leu Phe
 1 5 10 15
 Leu Leu Phe Gly Asp Val Ser Gly Ser Ser Ser Leu Leu Ala Leu Leu
 20 25 30
 Pro Phe Leu His Pro Trp His His Pro Ser Leu Ser
 35 40

<210> 603
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 603
 Met Gly Val Ala Leu Pro Ser Pro Leu Leu Cys Ser Leu Pro Leu Phe
 1 5 10 15

Leu Leu Phe Gly Asp Val Ser Gly Ser Ser Ser Leu Leu Ala Leu Leu
20 25 30

Pro Phe Leu His Pro Trp His His Pro Ser Leu Ser
35 40

<210> 604

<211> 60

<212> PRT

<213> Homo sapiens

<400> 604

Met Leu Ser Ala Val Leu Thr Met Leu Arg Phe Ile Ile Ala Phe Ser
1 5 10 15

Leu Leu Phe Cys Ser Cys Ser Thr Asp Lys His Cys Thr Trp Tyr His
20 25 30

Ala Leu Pro His Phe Lys Lys Ile Cys Leu Thr Glu Arg Lys Lys Met
35 40 45

Trp Phe Gly Leu Ala Ala Val Leu Ile Tyr Gly Ile
50 55 60

<210> 605

<211> 17

<212> PRT

<213> Homo sapiens

<400> 605

Ile Thr Phe Ser Cys Phe Phe Cys Asn Asn Cys Ser Gln Val Asn Leu
1 5 10 15

Gln

<210> 606

<211> 60

<212> PRT

<213> Homo sapiens

<400> 606

Met Leu Ser Ala Val Leu Thr Met Leu Arg Phe Ile Ile Ala Phe Ser
1 5 10 15

Leu Leu Phe Cys Ser Cys Ser Thr Asp Lys His Cys Thr Trp Tyr His
20 25 30

Ala Leu Pro His Phe Lys Lys Ile Cys Leu Thr Glu Arg Lys Lys Met
35 40 45

Trp Phe Gly Leu Ala Ala Val Leu Ile Tyr Gly Ile
50 55 60

<210> 607

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 607

Leu Gly Ala Glu His Phe Lys Cys Ile Thr Trp Val Ala Gly Trp Ala
1 5 10 15

Val Pro Gly Leu Lys Gly Val Gly Ser Phe Phe Gln Gly Ala Pro Ser
20 25 30

Ala Ser Trp His Arg Thr Leu Ala Pro Ala His Pro Lys Leu Thr Leu
35 40 45

Val Gly Val Gly Pro Leu Thr Gln Thr Trp Pro Leu Pro Ser Leu Val
50 55 60

Leu Leu Pro Gln Leu Ser Pro Val Cys Gly Arg Val Cys Leu Asp Arg
65 70 75 80

Leu Trp Ala Gly Gln Gly Xaa Gly Gln Ala Glu Xaa Glu Phe Val Leu
85 90 95

Gly

<210> 608

<211> 318

<212> PRT

<213> Homo sapiens

<400> 608

Met	Arg	Leu	Leu	Ala	Gly	Trp	Leu	Cys	Leu	Ser	Leu	Ala	Ser	Val	Trp
1				5				10						15	
Leu	Ala	Arg	Arg	Met	Trp	Thr	Leu	Arg	Ser	Pro	Leu	Thr	Arg	Ser	Leu
			20					25					30		
Tyr	Val	Asn	Met	Thr	Ser	Gly	Pro	Gly	Gly	Pro	Ala	Ala	Ala	Ala	Gly
		35					40					45			
Gly	Arg	Lys	Glu	Asn	His	Gln	Trp	Tyr	Val	Cys	Asn	Arg	Glu	Lys	Leu
	50					55					60				
Cys	Glu	Ser	Leu	Gln	Ala	Val	Phe	Val	Gln	Ser	Tyr	Leu	Asp	Gln	Gly
65					70					75					80
Thr	Gln	Ile	Phe	Leu	Asn	Asn	Ser	Ile	Glu	Lys	Ser	Gly	Trp	Leu	Phe
				85					90					95	
Ile	Gln	Leu	Tyr	His	Ser	Phe	Val	Ser	Ser	Val	Phe	Ser	Leu	Phe	Met
			100					105					110		
Ser	Arg	Thr	Ser	Ile	Asn	Gly	Leu	Leu	Gly	Arg	Gly	Ser	Met	Phe	Val
		115					120					125			
Phe	Ser	Pro	Asp	Gln	Phe	Gln	Arg	Leu	Leu	Lys	Ile	Asn	Pro	Asp	Trp
	130					135						140			
Lys	Thr	His	Arg	Leu	Leu	Asp	Leu	Gly	Ala	Gly	Asp	Gly	Glu	Val	Thr
145					150					155					160
Lys	Ile	Met	Ser	Pro	His	Phe	Glu	Glu	Ile	Tyr	Ala	Thr	Glu	Leu	Ser
				165					170					175	
Glu	Thr	Met	Ile	Trp	Gln	Leu	Gln	Lys	Lys	Lys	Tyr	Arg	Val	Leu	Gly
			180					185					190		
Ile	Asn	Glu	Trp	Gln	Asn	Thr	Gly	Phe	Gln	Tyr	Asp	Val	Ile	Ser	Cys
		195					200					205			
Leu	Asn	Leu	Leu	Asp	Arg	Cys	Asp	Gln	Pro	Leu	Thr	Leu	Leu	Lys	Asp
	210					215					220				
Ile	Arg	Ser	Val	Leu	Glu	Pro	Thr	Arg	Gly	Arg	Val	Ile	Leu	Ala	Leu
225					230					235					240
Val	Leu	Pro	Phe	His	Pro	Tyr	Val	Glu	Asn	Val	Gly	Gly	Lys	Trp	Glu
				245					250					255	

Lys Pro Ser Glu Ile Leu Glu Ile Lys Gly Gln Asn Trp Glu Glu Gln
260 265 270

Val Asn Ser Leu Pro Glu Val Phe Arg Lys Ala Gly Phe Val Ile Glu
275 280 285

Ala Phe Thr Arg Leu Pro Tyr Leu Cys Glu Gly Asp Met Tyr Asn Asp
290 295 300

Tyr Tyr Val Leu Asp Asp Ala Val Phe Val Leu Lys Pro Val
305 310 315

<210> 609

<211> 318

<212> PRT

<213> Homo sapiens

<400> 609

Met Arg Leu Leu Ala Gly Trp Leu Cys Leu Ser Leu Ala Ser Val Trp
1 5 10 15

Leu Ala Arg Arg Met Trp Thr Leu Arg Ser Pro Leu Thr Arg Ser Leu
20 25 30

Tyr Val Asn Met Thr Ser Gly Pro Gly Gly Pro Ala Ala Ala Ala Gly
35 40 45

Gly Arg Lys Glu Asn His Gln Trp Tyr Val Cys Asn Arg Glu Lys Leu
50 55 60

Cys Glu Ser Leu Gln Ala Val Phe Val Gln Ser Tyr Leu Asp Gln Gly
65 70 75 80

Thr Gln Ile Phe Leu Asn Asn Ser Ile Glu Lys Ser Gly Trp Leu Phe
85 90 95

Ile Gln Leu Tyr His Ser Phe Val Ser Ser Val Phe Ser Leu Phe Met
100 105 110

Ser Arg Thr Ser Ile Asn Gly Leu Leu Gly Arg Gly Ser Met Phe Val
115 120 125

Phe Ser Pro Asp Gln Phe Gln Arg Leu Leu Lys Ile Asn Pro Asp Trp
130 135 140

Lys Thr His Arg Leu Leu Asp Leu Gly Ala Gly Asp Gly Glu Val Thr
145 150 155 160

Lys Ile Met Ser Pro His Phe Glu Glu Ile Tyr Ala Thr Glu Leu Ser
165 170 175

Glu	Thr	Met	Ile	Trp	Gln	Leu	Gln	Lys	Lys	Lys	Tyr	Arg	Val	Leu	Gly
			180					185					190		
Ile	Asn	Glu	Trp	Gln	Asn	Thr	Gly	Phe	Gln	Tyr	Asp	Val	Ile	Ser	Cys
		195					200					205			
Leu	Asn	Leu	Leu	Asp	Arg	Cys	Asp	Gln	Pro	Leu	Thr	Leu	Leu	Lys	Asp
		210				215					220				
Ile	Arg	Ser	Val	Leu	Glu	Pro	Thr	Arg	Gly	Arg	Val	Ile	Leu	Ala	Leu
225					230					235					240
Val	Leu	Pro	Phe	His	Pro	Tyr	Val	Glu	Asn	Val	Gly	Gly	Lys	Trp	Glu
				245					250					255	
Lys	Pro	Ser	Glu	Ile	Leu	Glu	Ile	Lys	Gly	Gln	Asn	Trp	Glu	Glu	Gln
			260					265					270		
Val	Asn	Ser	Leu	Pro	Glu	Val	Phe	Arg	Lys	Ala	Gly	Phe	Val	Ile	Glu
		275					280					285			
Ala	Phe	Thr	Arg	Leu	Pro	Tyr	Leu	Cys	Glu	Gly	Asp	Met	Tyr	Asn	Ala
	290					295					300				
Tyr	Tyr	Val	Leu	Asp	Asp	Ala	Val	Phe	Val	Leu	Lys	Pro	Val		
305					310					315					

<210> 610

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 610

Met	Trp	Thr	Leu	Phe	Ala	Leu	Ser	Gly	Pro	Leu	Phe	Leu	Phe	Gln	Val
1				5					10					15	

Leu	Thr	Phe	Met	Ile	Tyr	Ile	Val	Ser	Thr	Val	Phe	Cys	Gly	His	Leu
			20					25					30		

Gly Lys Val Glu Leu Ala Ser Val Thr Leu Ala Val Ala Phe Val Asn
 35 40 45
 Val Cys Gly Val Ser Val Gly Val Gly Leu Ser Ser Ala Cys Asp Thr
 50 55 60
 Leu Met Ser Gln Ser Phe Gly Ser Pro Asn Lys Lys His Val Gly Val
 65 70 75 80
 Ile Leu Gln Arg Gly Ala Leu Val Leu Leu Leu Cys Cys Leu Pro Cys
 85 90 95
 Trp Ala Leu Phe Leu Asn Thr Gln His Ile Leu Leu Leu Phe Arg Gln
 100 105 110
 Asp Pro Asp Val Ser Arg Leu Thr Gln Asp Tyr Val Met Ile Phe Ile
 115 120 125
 Pro Gly Leu Pro Val Ile Phe Leu Tyr Asn Leu Leu Ala Lys Tyr Leu
 130 135 140
 Gln Asn Gln Val Gln Val Phe Ser Val Trp Gly Gly Pro Ser Xaa Ser
 145 150 155 160
 Thr Leu Pro Tyr Ser Ser Gly Arg Gly Ala Trp Gly Phe Pro Xaa Leu
 165 170 175
 Ser Thr Ile Cys Glu Pro Ala Leu Glu Arg Gly Ser Leu Pro Thr His
 180 185 190
 Leu Pro Tyr
 195

<210> 611
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 611
 Leu Ala Gly Pro Val Phe Ile Tyr Phe Arg Arg Ser Pro Gly Pro Lys
 1 5 10 15
 Ser Ser Val Val Trp Trp Ala Thr Val Ser Thr Val Trp Pro Thr Met
 20 25 30
 Pro Trp Phe Leu Cys
 35

<210> 612
 <211> 3
 <212> PRT
 <213> Homo sapiens

<400> 612
 Ile Pro Gly
 1

<210> 613
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 613
 Met Trp Thr Leu Phe Ala Leu Ser Gly Pro Leu Phe Leu Phe Gln Val
 1 5 10 15
 Leu Thr Phe Met Ile Tyr Ile Val Ser Thr Val Phe Cys Gly His Leu
 20 25 30
 Gly Lys Val Glu Leu Ala Ser Val Thr Leu Ala Val Ala Phe Val Asn
 35 40 45
 Val Cys Gly Val Ser Val Gly Val Gly Leu Ser Ser Ala Cys Asp Thr
 50 55 60
 Leu Met Ser Gln Ser Phe Gly Ser Pro Asn Lys Lys His Val Gly Val
 65 70 75 80
 Ile Leu Gln Arg Gly Ala Leu Val Leu Leu Leu Cys Cys Leu Pro Cys
 85 90 95
 Trp Ala Leu Phe Leu Asn Thr Gln His Ile Leu Leu Leu Phe Arg Gln
 100 105 110
 Asp Pro Asp Val Ser Arg Leu Thr Gln Asp Tyr Val Met Ile Phe Ile
 115 120 125
 Pro Gly Leu Pro Val Ile Phe Leu Tyr Asn Leu Leu Ala Lys Tyr Leu
 130 135 140
 Gln Asn Gln Val Gln Val Phe Glu Cys Val Gly Arg Pro Phe Ser Gln
 145 150 155 160
 His Thr Ala Leu Phe Gln Trp Glu Gly Gly Leu Gly Leu Ser Pro Ser
 165 170 175
 Leu His His Leu
 180

<210> 614
<211> 38
<212> PRT
<213> Homo sapiens

<400> 614
Glu Lys Lys Lys Lys Lys Lys Lys Arg Pro Gly Ala Val Ala His Ala
1 5 10 15
Leu Ile Pro Ala Leu Trp Glu Thr Glu Ala Gly Gly Ser Pro Glu Val
20 25 30
Gly Ser Ser Arg Pro Ala
35

<210> 615
<211> 18
<212> PRT
<213> Homo sapiens

<400> 615
Met Val Arg Thr Leu Ser Leu Ala Val Leu Ser Trp Leu Pro Ala Ala
1 5 10 15

Val Cys

<210> 616
<211> 18
<212> PRT
<213> Homo sapiens

<400> 616
Met Val Arg Thr Leu Ser Leu Ala Val Leu Ser Trp Leu Pro Ala Ala
1 5 10 15

Val Cys

<210> 617
<211> 42
<212> PRT
<213> Homo sapiens

<400> 617

Met Leu Leu Ser Trp Thr Val Leu Ile Ile Ile Leu Pro Phe Ala Gly
1 5 10 15

Asp Val Ser Ser His Leu Cys Ile Leu Arg Pro Phe Ala Gly Ser Val
20 25 30

Ser Ser Cys Leu Ser Asn Phe Lys Arg Ile
35 40

<210> 618

<211> 42

<212> PRT

<213> Homo sapiens

<400> 618

Met Leu Leu Ser Trp Thr Val Leu Ile Ile Ile Leu Pro Phe Ala Gly
1 5 10 15

Asp Val Ser Ser His Leu Cys Ile Leu Arg Pro Phe Ala Gly Ser Val
20 25 30

Ser Ser Cys Leu Ser Asn Phe Lys Arg Ile
35 40

<210> 619

<211> 93

<212> PRT

<213> Homo sapiens

<400> 619

Ser Ala Ser Cys Trp Asn Ala Asn Phe Leu Pro Arg Asn Gln Gly Arg
1 5 10 15

Lys Leu His Cys Cys Ala Lys Lys Lys Lys Lys Pro Ser Leu His Thr
20 25 30

Leu Lys Pro Phe Leu Asn Pro Ser Arg Glu Ser Thr Val Ala Ser Ser
35 40 45

Thr Thr Ala Ile Gly Phe Ala Ser Val Met Cys Ser Tyr Leu Leu Asp
50 55 60

Phe Gln Asn Ile Lys Lys Lys Lys Arg Ala Ala Ala Leu Glu Asp Pro
65 70 75 80

Ser Leu Arg Thr Arg Ala Cys Asp Asn Ile Ala Arg Arg

<210> 620
 <211> 403
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (320)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (331)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (368)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 620
 Met Ala Thr Ala Glu Arg Arg Ala Leu Gly Ile Gly Phe Gln Trp Leu
 1 5 10 15

Ser Leu Ala Thr Leu Val Leu Ile Cys Ala Gly Gln Gly Gly Arg Arg
 20 25 30

Glu Asp Gly Gly Pro Ala Cys Tyr Gly Gly Phe Asp Leu Tyr Phe Ile
 35 40 45

Leu Asp Lys Ser Gly Ser Val Leu His His Trp Asn Glu Ile Tyr Tyr
 50 55 60

Phe Val Glu Gln Leu Ala His Lys Phe Ile Ser Pro Gln Leu Arg Met
 65 70 75 80

Ser Phe Ile Val Phe Ser Thr Arg Gly Thr Thr Leu Met Lys Leu Thr
 85 90 95

Glu Asp Arg Glu Gln Ile Arg Gln Gly Leu Glu Glu Leu Gln Lys Val
 100 105 110

Leu Pro Gly Gly Asp Thr Tyr Met His Glu Gly Phe Glu Arg Ala Ser

115					120					125						
Glu	Gln	Ile	Tyr	Tyr	Glu	Asn	Arg	Gln	Gly	Tyr	Arg	Thr	Ala	Ser	Val	
130					135					140						
Ile	Ile	Ala	Leu	Thr	Asp	Gly	Glu	Leu	His	Glu	Asp	Leu	Phe	Phe	Tyr	
145					150					155					160	
Ser	Glu	Arg	Glu	Ala	Asn	Arg	Ser	Arg	Asp	Leu	Gly	Ala	Ile	Xaa	Tyr	
165					170					175						
Cys	Val	Gly	Val	Lys	Asp	Phe	Asn	Glu	Thr	Gln	Leu	Ala	Arg	Ile	Ala	
180					185					190						
Asp	Ser	Lys	Asp	His	Val	Phe	Pro	Val	Asn	Asp	Gly	Phe	Gln	Ala	Leu	
195					200					205						
Gln	Gly	Ile	Ile	His	Ser	Ile	Leu	Lys	Lys	Ser	Cys	Ile	Glu	Ile	Leu	
210					215					220						
Ala	Ala	Glu	Pro	Ser	Thr	Ile	Cys	Ala	Gly	Glu	Ser	Phe	Gln	Val	Val	
225					230					235					240	
Val	Arg	Gly	Asn	Gly	Phe	Arg	His	Ala	Arg	Asn	Val	Asp	Arg	Val	Leu	
245					250					255						
Cys	Ser	Phe	Lys	Ile	Asn	Asp	Ser	Val	Thr	Leu	Asn	Glu	Lys	Pro	Phe	
260					265					270						
Ser	Val	Glu	Asp	Thr	Tyr	Leu	Leu	Cys	Pro	Ala	Pro	Ile	Leu	Lys	Glu	
275					280					285						
Val	Gly	Met	Lys	Ala	Ala	Leu	Gln	Val	Ser	Met	Asn	Asp	Gly	Leu	Ser	
290					295					300						
Phe	Ile	Ser	Ser	Ser	Val	Ile	Ile	Thr	Thr	Thr	His	Cys	Ser	Asp	Xaa	
305					310					315					320	
Ser	Ile	Leu	Ala	Ile	Ala	Leu	Leu	Ile	Leu	Xaa	Leu	Leu	Leu	Ala	Leu	
325					330					335						
Ala	Leu	Leu	Trp	Trp	Phe	Trp	Pro	Leu	Cys	Cys	Thr	Val	Ile	Ile	Lys	
340					345					350						
Glu	Val	Pro	Pro	Pro	Pro	Ala	Glu	Glu	Ser	Glu	Val	Ser	Asp	His	Xaa	
355					360					365						
Arg	Met	Ala	Val	Gly	Gly	Gln	Gly	Gly	Arg	Val	Gly	Trp	Arg	Ala	Gly	
370					375					380						
Trp	Ala	Ala	Gly	His	Leu	Ala	Pro	Cys	Arg	Ala	Glu	Leu	Ser	Gln	Ala	
385					390					395					400	

Gln Arg Ile

<210> 621

<211> 403

<212> PRT

<213> Homo sapiens

<400> 621

Met Ala Thr Ala Glu Arg Arg Ala Leu Gly Ile Gly Phe Gln Trp Leu
1 5 10 15

Ser Leu Ala Thr Leu Val Leu Ile Cys Ala Gly Gln Gly Gly Arg Arg
20 25 30

Glu Asp Gly Gly Pro Ala Cys Tyr Gly Gly Phe Asp Leu Tyr Phe Ile
35 40 45

Leu Asp Lys Ser Gly Ser Val Leu His His Trp Asn Glu Ile Tyr Tyr
50 55 60

Phe Val Glu Gln Leu Ala His Lys Phe Ile Ser Pro Gln Leu Arg Met
65 70 75 80

Ser Phe Ile Val Phe Ser Thr Arg Gly Thr Thr Leu Met Lys Leu Thr
85 90 95

Glu Asp Arg Glu Gln Ile Arg Gln Gly Leu Glu Glu Leu Gln Lys Val
100 105 110

Leu Pro Gly Gly Asp Thr Tyr Met His Glu Gly Phe Glu Arg Ala Ser
115 120 125

Glu Gln Ile Tyr Tyr Glu Asn Arg Gln Gly Tyr Arg Thr Ala Ser Val
130 135 140

Ile Ile Ala Leu Thr Asp Gly Glu Leu His Glu Asp Leu Phe Phe Tyr
145 150 155 160

Ser Glu Arg Glu Ala Asn Arg Ser Arg Asp Leu Gly Ala Ile Val Tyr
165 170 175

Cys Val Gly Val Lys Asp Phe Asn Glu Thr Gln Leu Ala Arg Ile Ala
180 185 190

Asp Ser Lys Asp His Val Phe Pro Val Asn Asp Gly Phe Gln Ala Leu
195 200 205

Gln Gly Ile Ile His Ser Ile Leu Lys Lys Ser Cys Ile Glu Ile Leu

210		215		220												
Ala	Ala	Glu	Pro	Ser	Thr	Ile	Cys	Ala	Gly	Glu	Ser	Phe	Gln	Val	Val	
225					230					235					240	
Val	Arg	Gly	Asn	Gly	Phe	Arg	His	Ala	Arg	Asn	Val	Asp	Arg	Val	Leu	
			245						250					255		
Cys	Ser	Phe	Lys	Ile	Asn	Asp	Ser	Val	Thr	Leu	Asn	Glu	Lys	Pro	Phe	
			260					265					270			
Ser	Val	Glu	Asp	Thr	Tyr	Leu	Leu	Cys	Pro	Ala	Pro	Ile	Leu	Lys	Glu	
		275					280					285				
Val	Gly	Met	Lys	Ala	Ala	Leu	Gln	Val	Ser	Met	Asn	Asp	Gly	Leu	Ser	
	290					295					300					
Phe	Ile	Ser	Ser	Ser	Val	Ile	Ile	Thr	Thr	Thr	His	Cys	Ser	Asp	Gly	
305					310					315					320	
Ser	Ile	Leu	Ala	Ile	Ala	Leu	Leu	Ile	Leu	Phe	Leu	Leu	Leu	Ala	Leu	
				325					330					335		
Ala	Leu	Leu	Trp	Trp	Phe	Trp	Pro	Leu	Cys	Cys	Thr	Val	Ile	Ile	Lys	
			340					345					350			
Glu	Val	Pro	Pro	Pro	Pro	Ala	Glu	Glu	Ser	Glu	Val	Ser	Asp	His	Ser	
		355					360					365				
Arg	Met	Ala	Val	Gly	Gly	Gln	Gly	Gly	Arg	Val	Gly	Trp	Arg	Ala	Gly	
	370					375					380					
Trp	Ala	Ala	Gly	His	Leu	Ala	Pro	Cys	Arg	Ala	Glu	Leu	Ser	Gln	Ala	
385					390					395					400	
Gln	Arg	Ile														

<210> 622

<211> 156

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 622

Val Val Lys Ile Thr His Cys Pro Thr Leu Leu Thr Arg Asp Gly Asp

1		5		10		15										
Arg	Ile	Arg	Ser	Asn	Gly	Lys	Phe	Gly	Gly	Leu	Gln	Asn	Lys	Ala	Pro	
		20						25					30			
Pro	Met	Asp	Lys	Leu	Arg	Gly	Met	Val	Phe	Gly	Ala	Pro	Val	Pro	Lys	
		35					40					45				
Gln	Cys	Leu	Ile	Leu	Gly	Glu	Gln	Ile	Asp	Leu	Leu	Gln	Gln	Tyr	Arg	
	50					55					60					
Ser	Ala	Val	Cys	Lys	Leu	Asp	Ser	Val	Asn	Lys	Asp	Leu	Asn	Ser	Gln	
	65				70					75					80	
Leu	Glu	Tyr	Leu	Arg	Thr	Pro	Asp	Met	Arg	Lys	Lys	Lys	Gln	Glu	Leu	
				85					90					95		
Asp	Glu	His	Glu	Lys	Xaa	Leu	Lys	Leu	Ile	Glu	Glu	Lys	Leu	Gly	Met	
			100					105					110			
Thr	Pro	Ile	Arg	Lys	Cys	Asn	Asp	Ser	Leu	Arg	His	Ser	Pro	Lys	Val	
		115					120					125				
Glu	Thr	Thr	Asp	Cys	Pro	Val	Pro	Pro	Lys	Arg	Met	Arg	Arg	Glu	Ala	
	130					135					140					
Thr	Arg	Gln	Asn	Arg	Ile	Ile	Thr	Lys	Thr	Asp	Val					
145					150					155						

<210> 623

<211> 175

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 623

Val	Phe	Gly	Met	Leu	Leu	Gly	Asp	Thr	Ile	Ile	Leu	Asp	Asn	Leu	Asp
1				5					10					15	
Ala	Ala	Asn	His	Tyr	Arg	Lys	Glu	Val	Val	Lys	Ile	Thr	His	Cys	Pro
			20					25					30		
Thr	Leu	Leu	Thr	Arg	Asp	Gly	Asp	Arg	Ile	Arg	Ser	Asn	Gly	Lys	Phe
		35					40					45			
Gly	Gly	Leu	Gln	Asn	Lys	Ala	Pro	Pro	Met	Asp	Lys	Leu	Arg	Gly	Met
		50				55					60				
Val	Phe	Gly	Ala	Pro	Val	Pro	Lys	Gln	Cys	Leu	Ile	Leu	Gly	Glu	Gln
	65				70					75					80
Ile	Asp	Leu	Leu	Gln	Gln	Tyr	Arg	Ser	Ala	Xaa	Cys	Lys	Leu	Asp	Ser
				85					90					95	
Val	Asn	Lys	Asp	Leu	Asn	Ser	Gln	Leu	Glu	Tyr	Leu	Arg	Thr	Pro	Asp
			100					105					110		
Met	Arg	Lys	Lys	Lys	Gln	Glu	Leu	Asp	Glu	His	Glu	Lys	Asn	Leu	Lys
		115					120					125			
Leu	Ile	Glu	Glu	Lys	Leu	Gly	Met	Thr	Pro	Ile	Arg	Lys	Cys	Asn	Asp
	130					135					140				
Ser	Leu	Arg	His	Ser	Pro	Lys	Val	Glu	Thr	Thr	Asp	Cys	Pro	Val	Pro
145					150					155					160
Pro	Lys	Arg	Met	Arg	Arg	Glu	Ala	Gly	Asp	Lys	Arg	Xaa	Xaa	Xaa	
				165					170					175	

<210> 624
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 624

Met	Trp	His	Leu	Trp	Arg	Arg	Leu	Leu	Ser	Cys	Phe	Pro	Val	Ala	Met
1				5					10					15	
Leu	Gln	Asp	Tyr	Lys	Tyr	Ser	Val								
				20											

<210> 625
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 625
 Ser Cys Leu Pro Val Gly Thr Asp Pro Gln Gln Met Gln Lys His Leu
 1 5 10 15

Val Val Ile Lys
 20

<210> 626
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 626
 Met Trp His Leu Trp Arg Arg Leu Leu Ser Cys Phe Pro Val Ala Met
 1 5 10 15

Leu Gln Asp Tyr Lys Tyr Ser Val
 20

<210> 627
 <211> 439
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (358)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 627
 Met Val Pro Ser Ser Pro Arg Ala Leu Phe Leu Leu Leu Leu Ile Leu
 1 5 10 15

Ala Cys Pro Glu Pro Arg Ala Ser Gln Asn Cys Leu Ser Lys Gln Gln
 20 25 30

Leu Leu Ser Ala Ile Arg Gln Leu Gln Gln Leu Leu Lys Gly Gln Glu
 35 40 45

Thr Arg Phe Ala Glu Gly Ile Arg His Met Lys Ser Arg Leu Ala Ala
 50 55 60

Leu	Gln	Asn	Ser	Val	Gly	Arg	Val	Gly	Pro	Asp	Ala	Leu	Pro	Val	Ser	
65					70					75					80	
Cys	Pro	Ala	Leu	Asn	Thr	Pro	Ala	Asp	Gly	Arg	Lys	Phe	Gly	Ser	Lys	
				85					90					95		
Tyr	Leu	Val	Asp	His	Glu	Val	His	Phe	Thr	Cys	Asn	Pro	Gly	Phe	Arg	
			100					105					110			
Leu	Val	Gly	Pro	Ser	Ser	Val	Val	Cys	Leu	Pro	Asn	Gly	Thr	Trp	Thr	
		115					120					125				
Gly	Glu	Gln	Pro	His	Cys	Arg	Gly	Ile	Ser	Glu	Cys	Ser	Ser	Gln	Pro	
		130				135					140					
Cys	Gln	Asn	Gly	Gly	Thr	Cys	Val	Glu	Gly	Val	Asn	Gln	Tyr	Arg	Cys	
145					150					155					160	
Ile	Cys	Pro	Pro	Gly	Arg	Thr	Gly	Asn	Arg	Cys	Gln	His	Gln	Ala	Gln	
				165				170						175		
Thr	Ala	Ala	Pro	Glu	Gly	Ser	Val	Ala	Gly	Asp	Ser	Ala	Phe	Ser	Arg	
			180					185					190			
Ala	Pro	Arg	Cys	Ala	Gln	Val	Glu	Arg	Ala	Gln	His	Cys	Ser	Cys	Glu	
		195					200					205				
Ala	Gly	Phe	His	Leu	Ser	Gly	Ala	Ala	Gly	Asp	Ser	Val	Cys	Gln	Asp	
	210					215					220					
Val	Asn	Glu	Cys	Glu	Leu	Tyr	Gly	Gln	Glu	Gly	Arg	Pro	Arg	Leu	Cys	
225					230					235					240	
Met	His	Ala	Cys	Val	Asn	Thr	Pro	Gly	Ser	Tyr	Arg	Cys	Thr	Cys	Pro	
				245					250					255		
Gly	Gly	Tyr	Arg	Thr	Leu	Ala	Asp	Gly	Lys	Ser	Cys	Glu	Asp	Val	Asp	
			260					265					270			
Glu	Cys	Val	Gly	Leu	Gln	Pro	Val	Cys	Pro	Gln	Gly	Thr	Thr	Cys	Ile	
		275					280					285				
Asn	Thr	Gly	Gly	Ser	Phe	Gln	Cys	Val	Ser	Pro	Glu	Cys	Pro	Glu	Gly	
	290					295					300					
Ser	Gly	Asn	Val	Ser	Tyr	Val	Lys	Thr	Ser	Pro	Phe	Gln	Cys	Glu	Arg	
305					310					315					320	
Asn	Pro	Cys	Pro	Met	Asp	Ser	Arg	Pro	Cys	Arg	His	Leu	Pro	Lys	Thr	
				325					330					335		

Ile Ser Phe His Tyr Leu Ser Leu Pro Ser Asn Leu Lys Thr Pro Ile
 340 345 350

Thr Leu Phe Arg Met Xaa Thr Ala Ser Ala Pro Gly Arg Ala Gly Pro
 355 360 365

Asn Ser Leu Arg Phe Gly Ile Val Gly Gly Asn Ser Arg Gly His Phe
 370 375 380

Val Met Gln Arg Ser Asp Arg Gln Thr Gly Asp Leu Ile Leu Val Gln
 385 390 395 400

Asn Leu Glu Gly Pro Gln Thr Leu Glu Val Asp Val Asp Met Ser Glu
 405 410 415

Tyr Leu Asp Arg Ser Phe Gln Ala Asn His Val Ser Lys Val Thr Ile
 420 425 430

Phe Val Ser Pro Tyr Asp Phe
 435

<210> 628

<211> 439

<212> PRT

<213> Homo sapiens

<400> 628

Met Val Pro Ser Ser Pro Arg Ala Leu Phe Leu Leu Leu Leu Ile Leu
 1 5 10 15

Ala Cys Pro Glu Pro Arg Ala Ser Gln Asn Cys Leu Ser Lys Gln Gln
 20 25 30

Leu Leu Ser Ala Ile Arg Gln Leu Gln Gln Leu Leu Lys Gly Gln Glu
 35 40 45

Thr Arg Phe Ala Glu Gly Ile Arg His Met Lys Ser Arg Leu Ala Ala
 50 55 60

Leu Gln Asn Ser Val Gly Arg Val Gly Pro Asp Ala Leu Pro Val Ser
 65 70 75 80

Cys Pro Ala Leu Asn Thr Pro Ala Asp Gly Arg Lys Phe Gly Ser Lys
 85 90 95

Tyr Leu Val Asp His Glu Val His Phe Thr Cys Asn Pro Gly Phe Arg
 100 105 110

Leu Val Gly Pro Ser Ser Val Val Cys Leu Pro Asn Gly Thr Trp Thr
 115 120 125

Asn Leu Glu Gly Pro Gln Thr Leu Glu Val Asp Val Asp Met Ser Glu
 405 410 415

Tyr Leu Asp Arg Ser Phe Gln Ala Asn His Val Ser Lys Val Thr Ile
 420 425 430

Phe Val Ser Pro Tyr Asp Phe
 435

<210> 629
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 629
 Trp Asn Pro Ile Ser Met Lys Asn Lys Leu Lys Ile Leu Lys Ile Lys
 1 5 10 15
 Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Arg Pro
 20 25 30

<210> 630
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 630
 Pro Ala Pro Leu Pro Leu Arg Trp Ser Pro Ala Gly Pro Gly Gln
 1 5 10 15

<210> 631
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 631
 Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
 1 5 10 15
 Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
 20 25 30

Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met

<210> 632
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 632
 Met Ala Pro Ala Cys Gln Ile Leu Arg Trp Ala Leu Ala Leu Gly Leu
 1 5 10 15
 Gly Leu Met Phe Glu Val Thr His Ala Phe Arg Ser Gln Gly Arg Gly
 20 25 30
 Ser Leu Val Val Ala Val Gly Arg Glu Arg Lys Met
 35 40

<210> 633
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 633
 Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
 1 5 10 15
 Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
 20 25 30
 Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
 35 40

<210> 634
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 634
 Phe Ile Gly Phe Ile Leu Cys
 1 5

<210> 635
 <211> 42
 <212> PRT

<213> Homo sapiens

<400> 635

Met Phe Lys Lys Asp Leu Ile Cys Lys Arg Trp Ser Phe Phe Phe Trp
1 5 10 15

Gly Leu Leu Ile Ser Val Val Ile Leu Thr Ser Phe Ser Asn Tyr Ser
20 25 30

Arg Arg Phe Tyr Leu Asp Leu Tyr Phe Ser
35 40

<210> 636

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 636

Trp Phe Gln Thr Val Asp Arg His Cys Phe Val Leu Xaa Thr Asp Lys
1 5 10 15

Val Lys Leu Thr Trp Arg Asp Arg Phe Pro Ala Tyr Leu Thr Asn Leu
20 25 30

Val Ser Ile Ile Phe Met Xaa Ser Ser Arg Arg Leu Arg Pro Asp Glu
35 40 45

Val Arg Gly Asn Arg Lys Glu Val Ile Gly Phe Ser Arg Ala Trp Trp
50 55 60

Phe Thr Thr Val Ile Pro Ala Leu Trp Glu Ala Glu Ala Gly Arg Ser
65 70 75 80

Leu Glu Val Arg Ser Ser Arg Pro Ala Trp Pro Ile Trp
85 90

<210> 637

<211> 35

<212> PRT
<213> Homo sapiens

<400> 637

Met Ser Leu Gly Phe Trp Val Trp Leu Pro Ser Cys Cys His Lys Met
1 5 10 15

Leu Val Val Thr Cys Thr Phe Gly His Tyr Leu Pro Leu Glu Ser Ser
20 25 30

His His Leu
35

<210> 638

<211> 35

<212> PRT

<213> Homo sapiens

<400> 638

Met Ser Leu Gly Phe Trp Val Trp Leu Pro Ser Cys Cys His Lys Met
1 5 10 15

Leu Val Val Thr Cys Thr Phe Gly His Tyr Leu Pro Leu Glu Ser Ser
20 25 30

His His Leu
35

<210> 639

<211> 394

<212> PRT

<213> Homo sapiens

<400> 639

Val Thr Thr Leu Phe Leu Gly Pro Cys Tyr Cys Arg Gly Arg Leu His
1 5 10 15

Gly Leu Arg Gln Glu Ser Arg Leu Gly Asp Arg Ser Leu Val Ile Gly
20 25 30

Ala Gly Ala Cys Tyr Cys Ile Tyr Arg Leu Thr Arg Gly Arg Lys Gln
35 40 45

Asn Lys Glu Lys Met Ala Glu Gly Gly Ser Gly Asp Val Asp Asp Ala
50 55 60

Gly Asp Cys Ser Gly Ala Arg Tyr Asn Asp Trp Ser Asp Asp Asp Asp
65 70 75 80

Asp	Ser	Asn	Glu	Ser	Lys	Ser	Ile	Val	Trp	Tyr	Pro	Pro	Trp	Ala	Arg	
				85					90					95		
Ile	Gly	Thr	Glu	Ala	Gly	Thr	Arg	Ala	Arg	Ala	Arg	Ala	Arg	Ala	Arg	
			100					105					110			
Ala	Thr	Arg	Ala	Arg	Arg	Ala	Val	Gln	Lys	Arg	Ala	Ser	Pro	Asn	Ser	
		115					120					125				
Asp	Asp	Thr	Val	Leu	Ser	Pro	Gln	Glu	Leu	Gln	Lys	Val	Leu	Cys	Leu	
	130					135						140				
Val	Glu	Met	Ser	Glu	Lys	Pro	Tyr	Ile	Leu	Glu	Ala	Ala	Leu	Ile	Ala	
145					150					155					160	
Leu	Gly	Asn	Asn	Ala	Ala	Tyr	Ala	Phe	Asn	Arg	Asp	Ile	Ile	Arg	Asp	
				165					170					175		
Leu	Gly	Gly	Leu	Pro	Ile	Val	Ala	Lys	Ile	Leu	Asn	Thr	Arg	Asp	Pro	
			180					185					190			
Ile	Val	Lys	Glu	Lys	Ala	Leu	Ile	Val	Leu	Asn	Asn	Leu	Ser	Val	Asn	
		195					200					205				
Ala	Glu	Asn	Gln	Arg	Arg	Leu	Lys	Val	Tyr	Met	Asn	Gln	Val	Cys	Asp	
	210					215					220					
Asp	Thr	Ile	Thr	Ser	Arg	Leu	Asn	Ser	Ser	Val	Gln	Leu	Ala	Gly	Leu	
225					230					235					240	
Arg	Leu	Leu	Thr	Asn	Met	Thr	Val	Thr	Asn	Glu	Tyr	Gln	His	Met	Leu	
				245					250					255		
Ala	Asn	Ser	Ile	Ser	Asp	Phe	Phe	Arg	Leu	Phe	Ser	Ala	Gly	Asn	Glu	
			260					265					270			
Glu	Thr	Lys	Leu	Gln	Val	Leu	Lys	Leu	Leu	Leu	Asn	Leu	Ala	Glu	Asn	
		275					280					285				
Pro	Ala	Met	Thr	Arg	Glu	Leu	Leu	Arg	Ala	Gln	Val	Pro	Ser	Ser	Leu	
	290					295					300					
Gly	Ser	Leu	Phe	Asn	Lys	Lys	Glu	Asn	Lys	Glu	Val	Ile	Leu	Lys	Leu	
305					310					315					320	
Leu	Val	Ile	Phe	Glu	Asn	Ile	Asn	Asp	Asn	Phe	Lys	Trp	Glu	Glu	Asn	
				325				330						335		
Glu	Pro	Thr	Gln	Asn	Gln	Phe	Gly	Glu	Gly	Ser	Leu	Phe	Phe	Phe	Leu	
			340					345					350			

Lys Glu Phe Gln Val Cys Ala Asp Lys Val Leu Gly Ile Glu Ser His
355 360 365

His Asp Phe Leu Val Lys Val Lys Val Gly Lys Phe Met Ala Lys Leu
370 375 380

Ala Glu His Met Phe Pro Lys Ser Gln Glu
385 390

<210> 640

<211> 49

<212> PRT

<213> Homo sapiens

<400> 640

Met Ser Pro Arg Pro Leu Ile Ala Arg Cys Glu Ala Leu Gly Cys Gly
1 5 10 15

Ala Arg Arg Leu Pro Trp Trp Ala Leu Ala Met Ala Leu Cys Ala Cys
20 25 30

Gly Arg Cys Val Ala Ala Asn Ser Ile Gly Glu Thr Leu Pro Ser Glu
35 40 45

Val

<210> 641

<211> 49

<212> PRT

<213> Homo sapiens

<400> 641

Met Ser Pro Arg Pro Leu Ile Ala Arg Cys Glu Ala Leu Gly Cys Gly
1 5 10 15

Ala Arg Arg Leu Pro Trp Trp Ala Leu Ala Met Ala Leu Cys Ala Cys
20 25 30

Gly Arg Cys Val Ala Ala Asn Ser Ile Gly Glu Thr Leu Pro Ser Glu
35 40 45

Val

<210> 642

<211> 85
 <212> PRT
 <213> Homo sapiens

<400> 642
 Pro Ser Val Ala Leu Cys Trp Ile Phe Phe Ile Pro Leu Gly Lys Trp
 1 5 10 15
 Glu Phe Phe Tyr Arg Pro Ala Ile Leu Leu Leu Cys Gln Ile Ala Leu
 20 25 30
 Tyr Tyr Gln Asp Thr Pro Met Ala His Phe Arg Leu Thr Glu Leu Phe
 35 40 45
 Leu Tyr Glu Cys Thr Val Val Ile Phe Trp Ala Val Cys Glu Phe Leu
 50 55 60
 Val Thr His Pro Leu Thr Thr Lys Ala Leu Ser Glu Gln Tyr Lys Ser
 65 70 75 80
 Ile Lys Ala Gln Ile
 85

<210> 643
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 643
 Met Val Gly Leu Pro Ala Val Xaa Gln Leu Phe Trp Gly Leu Cys Leu
 1 5 10 15
 Cys Thr Cys Gly Leu Tyr Pro Ala Pro Gln Ser Trp Leu Ser Ser Gly
 20 25 30
 Xaa Tyr Lys Val Thr Ser Gly Ala Pro Ser Glu Arg Met Trp Pro Gln
 35 40 45
 Arg His Ala Ser Gly Phe Arg Leu Ser Gly Arg Thr Cys Leu Arg Ala
 50 55 60

Thr Ala Pro Ser Pro Ser Phe Pro Phe Phe Ser Ala Val Ile Asn Leu
65 70 75 80

Ser Ala Cys Ser Lys
85

<210> 644
<211> 54
<212> PRT
<213> Homo sapiens

<400> 644
Met Val Gly Leu Pro Ala Val Val Gln Leu Phe Trp Gly Leu Cys Leu
1 5 10 15

Cys Thr Cys Gly Ala Val Ser Cys Pro Thr Glu Leu Ala Val Gln Trp
20 25 30

Arg Ile Gln Ser Asp Ile Trp Cys Ser Leu Arg Lys Asn Val Ala Pro
35 40 45

Glu Ala Cys Gln Trp Leu
50

<210> 645
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 645
Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Ser
1 5 10 15

Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
20 25 30

Ile Gln Lys His Tyr Thr Leu Gly His Phe Ser Phe Ser Gln Arg Arg
35 40 45

Phe Met Asp Ser Gln Thr Glu Leu Cys Ala Thr Gly Lys Val Lys Arg
50 55 60

Glu Lys Xaa Ala Asp Glu Val Thr Trp Leu His Xaa Leu His His Ala
65 70 75 80

Xaa

<210> 646

<211> 73

<212> PRT

<213> Homo sapiens

<400> 646

Ile Phe Leu Leu Leu Leu Leu Ser Trp Leu Glu Leu Gln Arg Thr Val
1 5 10 15

Ile Phe Phe Phe Ser Pro Phe Pro Ile Gln Lys His Tyr Thr Leu Gly
20 25 30

His Phe Ser Phe Ser Gln Arg Arg Phe Met Asp Ser Gln Thr Glu Leu
35 40 45

Cys Ala Thr Gly Lys Val Lys Arg Glu Lys Ala Ala Asp Glu Val Thr
50 55 60

Trp Leu His Val Leu His His Ala Glu
65 70

<210> 647

<211> 9

<212> PRT

<213> Homo sapiens

<400> 647

Trp Gly Leu Leu Tyr Leu Glu Leu Asn
1 5

<210> 648
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 648
 Met Ile Leu Gly Ile His Trp Gly Ile Phe Leu Leu Leu Leu Leu Ser
 1 5 10 15
 Trp Leu Glu Leu Gln Arg Thr Val Ile Phe Phe Phe Ser Pro Phe Pro
 20 25 30
 Ile Gln Lys His Tyr Thr Leu Gly His Phe Ser Phe Ser Gln Arg Arg
 35 40 45
 Phe Met Asp Ser Gln Thr Glu Leu Cys Ala Thr Gly Lys Val Lys Arg
 50 55 60
 Glu Lys Ala Ala Asp Glu Val Thr Trp Leu His Val Leu His His Ala
 65 70 75 80
 Glu

<210> 649
 <211> 870
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (534)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 649
 Met Gly Pro Pro Ser Leu Val Leu Cys Leu Leu Ser Ala Thr Val Phe
 1 5 10 15
 Ser Leu Leu Gly Gly Ser Ser Ala Phe Leu Ser His His Arg Leu Lys
 20 25 30
 Gly Arg Phe Gln Arg Asp Arg Arg Asn Ile Arg Pro Asn Ile Ile Leu
 35 40 45
 Val Leu Thr Asp Asp Gln Asp Val Glu Leu Gly Ser Met Gln Val Met
 50 55 60
 Asn Lys Thr Arg Arg Ile Met Glu Gln Gly Gly Ala His Phe Ile Asn
 65 70 75 80

Ala	Phe	Val	Thr	Thr	Pro	Met	Cys	Cys	Pro	Ser	Arg	Ser	Ser	Ile	Leu	85	90	95
Thr	Gly	Lys	Tyr	Val	His	Asn	His	Asn	Thr	Tyr	Thr	Asn	Asn	Glu	Asn	100	105	110
Cys	Ser	Ser	Pro	Ser	Trp	Gln	Ala	Gln	His	Glu	Ser	Arg	Thr	Phe	Ala	115	120	125
Val	Tyr	Leu	Asn	Ser	Thr	Gly	Tyr	Arg	Thr	Ala	Phe	Phe	Gly	Lys	Tyr	130	135	140
Leu	Asn	Glu	Tyr	Asn	Gly	Ser	Tyr	Val	Pro	Pro	Gly	Trp	Lys	Glu	Trp	145	150	155
Val	Gly	Leu	Leu	Lys	Asn	Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Leu	Cys	Arg	165	170	175
Asn	Gly	Val	Lys	Glu	Lys	His	Gly	Ser	Asp	Tyr	Ser	Lys	Asp	Tyr	Leu	180	185	190
Thr	Asp	Leu	Ile	Thr	Asn	Asp	Ser	Val	Ser	Phe	Phe	Arg	Thr	Ser	Lys	195	200	205
Lys	Met	Tyr	Pro	His	Arg	Pro	Val	Leu	Met	Val	Ile	Ser	His	Ala	Ala	210	215	220
Pro	His	Gly	Pro	Glu	Asp	Ser	Ala	Pro	Gln	Tyr	Ser	Arg	Leu	Phe	Pro	225	230	235
Asn	Ala	Ser	Gln	His	Ile	Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Pro	245	250	255
Asp	Lys	His	Trp	Ile	Met	Arg	Tyr	Thr	Gly	Pro	Met	Lys	Pro	Ile	His	260	265	270
Met	Glu	Phe	Thr	Asn	Met	Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	275	280	285
Ser	Val	Asp	Asp	Ser	Met	Glu	Thr	Ile	Tyr	Asn	Met	Leu	Val	Glu	Thr	290	295	300
Gly	Glu	Leu	Asp	Asn	Thr	Tyr	Ile	Val	Tyr	Thr	Ala	Asp	His	Gly	Tyr	305	310	315
His	Ile	Gly	Gln	Phe	Gly	Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Glu	325	330	335
Phe	Asp	Ile	Arg	Val	Pro	Phe	Tyr	Val	Arg	Gly	Pro	Asn	Val	Glu	Ala	340	345	350
Gly	Cys	Leu	Asn	Pro	His	Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr			

355					360					365						
Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp	Ile	Pro	Ala	Asp	Met	Asp	Gly	Lys	
370					375					380						
Ser	Ile	Leu	Lys	Leu	Leu	Asp	Thr	Glu	Arg	Pro	Val	Asn	Arg	Phe	His	
385					390					395					400	
Leu	Lys	Lys	Lys	Met	Arg	Val	Trp	Arg	Asp	Ser	Phe	Leu	Val	Glu	Arg	
405					410					415						
Gly	Lys	Leu	Leu	His	Lys	Arg	Asp	Asn	Asp	Lys	Val	Asp	Ala	Gln	Glu	
420					425					430						
Glu	Asn	Phe	Leu	Pro	Lys	Tyr	Gln	Arg	Val	Lys	Asp	Leu	Cys	Gln	Arg	
435					440					445						
Ala	Glu	Tyr	Gln	Thr	Ala	Cys	Glu	Gln	Leu	Gly	Gln	Lys	Trp	Gln	Cys	
450					455					460						
Val	Glu	Asp	Ala	Thr	Gly	Lys	Leu	Lys	Leu	His	Lys	Cys	Lys	Gly	Pro	
465					470					475					480	
Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr	
485					490					495						
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys	
500					505					510						
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys	
515					520					525						
Ala	Ser	Tyr	Val	Arg	Xaa	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val	
530					535					540						
Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg	
545					550					555					560	
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp	
565					570					575						
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser	
580					585					590						
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn	
595					600					605						
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp	
610					615					620						
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn	
625					630					635					640	

Lys Ile Lys Asn Leu Arg Glu Val Arg Gly His Leu Lys Lys Lys Arg
 645 650 655
 Pro Glu Glu Cys Asp Cys His Lys Ile Ser Tyr His Thr Gln His Lys
 660 665 670
 Gly Arg Leu Lys His Arg Gly Ser Ser Leu His Pro Phe Arg Lys Gly
 675 680 685
 Leu Gln Glu Lys Asp Lys Val Trp Leu Leu Arg Glu Gln Lys Arg Lys
 690 695 700
 Lys Lys Leu Arg Lys Leu Leu Lys Arg Leu Gln Asn Asn Asp Thr Cys
 705 710 715 720
 Ser Met Pro Gly Leu Thr Cys Phe Thr His Asp Asn Gln His Trp Gln
 725 730 735
 Thr Ala Pro Phe Trp Thr Leu Gly Pro Phe Cys Ala Cys Thr Ser Ala
 740 745 750
 Asn Asn Asn Thr Tyr Trp Cys Met Arg Thr Ile Asn Glu Thr His Asn
 755 760 765
 Phe Leu Phe Cys Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Leu
 770 775 780
 Asn Thr Asp Pro Tyr Gln Leu Met Asn Ala Val Asn Thr Leu Asp Arg
 785 790 795 800
 Asp Val Leu Asn Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys
 805 810 815
 Lys Gly Tyr Lys Gln Cys Asn Pro Arg Thr Arg Asn Met Asp Leu Gly
 820 825 830
 Leu Lys Asp Gly Gly Ser Tyr Glu Gln Tyr Arg Gln Phe Gln Arg Arg
 835 840 845
 Lys Trp Pro Glu Met Lys Arg Pro Ser Ser Lys Ser Leu Gly Gln Leu
 850 855 860
 Trp Glu Gly Trp Glu Gly
 865 870

<210> 650
 <211> 870
 <212> PRT
 <213> Homo sapiens

<400> 650

Met	Gly	Pro	Pro	Ser	Leu	Val	Leu	Cys	Leu	Leu	Ser	Ala	Thr	Val	Phe
1				5				10						15	
Ser	Leu	Leu	Gly	Gly	Ser	Ser	Ala	Phe	Leu	Ser	His	His	Arg	Leu	Lys
			20					25					30		
Gly	Arg	Phe	Gln	Arg	Asp	Arg	Arg	Asn	Ile	Arg	Pro	Asn	Ile	Ile	Leu
		35					40					45			
Val	Leu	Thr	Asp	Asp	Gln	Asp	Val	Glu	Leu	Gly	Ser	Met	Gln	Val	Met
	50					55					60				
Asn	Lys	Thr	Arg	Arg	Ile	Met	Glu	Gln	Gly	Gly	Ala	His	Phe	Ile	Asn
65					70					75					80
Ala	Phe	Val	Thr	Thr	Pro	Met	Cys	Cys	Pro	Ser	Arg	Ser	Ser	Ile	Leu
				85					90					95	
Thr	Gly	Lys	Tyr	Val	His	Asn	His	Asn	Thr	Tyr	Thr	Asn	Asn	Glu	Asn
			100					105					110		
Cys	Ser	Ser	Pro	Ser	Trp	Gln	Ala	Gln	His	Glu	Ser	Arg	Thr	Phe	Ala
		115					120					125			
Val	Tyr	Leu	Asn	Ser	Thr	Gly	Tyr	Arg	Thr	Ala	Phe	Phe	Gly	Lys	Tyr
	130					135					140				
Leu	Asn	Glu	Tyr	Asn	Gly	Ser	Tyr	Val	Pro	Pro	Gly	Trp	Lys	Glu	Trp
145					150					155					160
Val	Gly	Leu	Leu	Lys	Asn	Ser	Arg	Phe	Tyr	Asn	Tyr	Thr	Leu	Cys	Arg
				165					170					175	
Asn	Gly	Val	Lys	Glu	Lys	His	Gly	Ser	Asp	Tyr	Ser	Lys	Asp	Tyr	Leu
		180						185					190		
Thr	Asp	Leu	Ile	Thr	Asn	Asp	Ser	Val	Ser	Phe	Phe	Arg	Thr	Ser	Lys
		195					200					205			
Lys	Met	Tyr	Pro	His	Arg	Pro	Val	Leu	Met	Val	Ile	Ser	His	Ala	Ala
	210					215					220				
Pro	His	Gly	Pro	Glu	Asp	Ser	Ala	Pro	Gln	Tyr	Ser	Arg	Leu	Phe	Pro
225					230					235					240
Asn	Ala	Ser	Gln	His	Ile	Thr	Pro	Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Pro
				245					250					255	
Asp	Lys	His	Trp	Ile	Met	Arg	Tyr	Thr	Gly	Pro	Met	Lys	Pro	Ile	His
			260					265					270		

Met	Glu	Phe	Thr	Asn	Met	Leu	Gln	Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	275	280	285
Ser	Val	Asp	Asp	Ser	Met	Glu	Thr	Ile	Tyr	Asn	Met	Leu	Val	Glu	Thr	290	295	300
Gly	Glu	Leu	Asp	Asn	Thr	Tyr	Ile	Val	Tyr	Thr	Ala	Asp	His	Gly	Tyr	305	310	315
His	Ile	Gly	Gln	Phe	Gly	Leu	Val	Lys	Gly	Lys	Ser	Met	Pro	Tyr	Glu	325	330	335
Phe	Asp	Ile	Arg	Val	Pro	Phe	Tyr	Val	Arg	Gly	Pro	Asn	Val	Glu	Ala	340	345	350
Gly	Cys	Leu	Asn	Pro	His	Ile	Val	Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	355	360	365
Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp	Ile	Pro	Ala	Asp	Met	Asp	Gly	Lys	370	375	380
Ser	Ile	Leu	Lys	Leu	Leu	Asp	Thr	Glu	Arg	Pro	Val	Asn	Arg	Phe	His	385	390	395
Leu	Lys	Lys	Lys	Met	Arg	Val	Trp	Arg	Asp	Ser	Phe	Leu	Val	Glu	Arg	405	410	415
Gly	Lys	Leu	Leu	His	Lys	Arg	Asp	Asn	Asp	Lys	Val	Asp	Ala	Gln	Glu	420	425	430
Glu	Asn	Phe	Leu	Pro	Lys	Tyr	Gln	Arg	Val	Lys	Asp	Leu	Cys	Gln	Arg	435	440	445
Ala	Glu	Tyr	Gln	Thr	Ala	Cys	Glu	Gln	Leu	Gly	Gln	Lys	Trp	Gln	Cys	450	455	460
Val	Glu	Asp	Ala	Thr	Gly	Lys	Leu	Lys	Leu	His	Lys	Cys	Lys	Gly	Pro	465	470	475
Met	Arg	Leu	Gly	Gly	Ser	Arg	Ala	Leu	Ser	Asn	Leu	Val	Pro	Lys	Tyr	485	490	495
Tyr	Gly	Gln	Gly	Ser	Glu	Ala	Cys	Thr	Cys	Asp	Ser	Gly	Asp	Tyr	Lys	500	505	510
Leu	Ser	Leu	Ala	Gly	Arg	Arg	Lys	Lys	Leu	Phe	Lys	Lys	Lys	Tyr	Lys	515	520	525
Ala	Ser	Tyr	Val	Arg	Ser	Arg	Ser	Ile	Arg	Ser	Val	Ala	Ile	Glu	Val	530	535	540

Asp	Gly	Arg	Val	Tyr	His	Val	Gly	Leu	Gly	Asp	Ala	Ala	Gln	Pro	Arg		
545					550					555					560		
Asn	Leu	Thr	Lys	Arg	His	Trp	Pro	Gly	Ala	Pro	Glu	Asp	Gln	Asp	Asp		
				565					570					575			
Lys	Asp	Gly	Gly	Asp	Phe	Ser	Gly	Thr	Gly	Gly	Leu	Pro	Asp	Tyr	Ser		
			580					585					590				
Ala	Ala	Asn	Pro	Ile	Lys	Val	Thr	His	Arg	Cys	Tyr	Ile	Leu	Glu	Asn		
		595					600					605					
Asp	Thr	Val	Gln	Cys	Asp	Leu	Asp	Leu	Tyr	Lys	Ser	Leu	Gln	Ala	Trp		
	610					615					620						
Lys	Asp	His	Lys	Leu	His	Ile	Asp	His	Glu	Ile	Glu	Thr	Leu	Gln	Asn		
625					630					635					640		
Lys	Ile	Lys	Asn	Leu	Arg	Glu	Val	Arg	Gly	His	Leu	Lys	Lys	Lys	Arg		
				645					650						655		
Pro	Glu	Glu	Cys	Asp	Cys	His	Lys	Ile	Ser	Tyr	His	Thr	Gln	His	Lys		
			660					665					670				
Gly	Arg	Leu	Lys	His	Arg	Gly	Ser	Ser	Leu	His	Pro	Phe	Arg	Lys	Gly		
		675					680					685					
Leu	Gln	Glu	Lys	Asp	Lys	Val	Trp	Leu	Leu	Arg	Glu	Gln	Lys	Arg	Lys		
	690					695					700						
Lys	Lys	Leu	Arg	Lys	Leu	Leu	Lys	Arg	Leu	Gln	Asn	Asn	Asp	Thr	Cys		
705					710					715					720		
Ser	Met	Pro	Gly	Leu	Thr	Cys	Phe	Thr	His	Asp	Asn	Gln	His	Trp	Gln		
				725					730					735			
Thr	Ala	Pro	Phe	Trp	Thr	Leu	Gly	Pro	Phe	Cys	Ala	Cys	Thr	Ser	Ala		
			740					745					750				
Asn	Asn	Asn	Thr	Tyr	Trp	Cys	Met	Arg	Thr	Ile	Asn	Glu	Thr	His	Asn		
		755					760					765					
Phe	Leu	Phe	Cys	Glu	Phe	Ala	Thr	Gly	Phe	Leu	Glu	Tyr	Phe	Asp	Leu		
	770					775					780						
Asn	Thr	Asp	Pro	Tyr	Gln	Leu	Met	Asn	Ala	Val	Asn	Thr	Leu	Asp	Arg		
785					790					795					800		
Asp	Val	Leu	Asn	Gln	Leu	His	Val	Gln	Leu	Met	Glu	Leu	Arg	Ser	Cys		
			805					810						815			
Lys	Gly	Tyr	Lys	Gln	Cys	Asn	Pro	Arg	Thr	Arg	Asn	Met	Asp	Leu	Gly		

	820		825		830												
Leu	Lys	Asp	Gly	Gly	Ser	Tyr	Glu	Gln	Tyr	Arg	Gln	Phe	Gln	Arg	Arg		
		835					840					845					
Lys	Trp	Pro	Glu	Met	Lys	Arg	Pro	Ser	Ser	Lys	Ser	Leu	Gly	Gln	Leu		
	850					855					860						
Trp	Glu	Gly	Trp	Glu	Gly												
865					870												

<210> 651
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 651																	
Met	Met	Pro	Leu	Leu	Ser	Leu	Ile	Phe	Ser	Ala	Leu	Phe	Ile	Leu	Phe		
1				5					10					15			
Gly	Thr	Val	Ile	Val	Gln	Ala	Phe	Ser	Asp	Ser	Asn	Asp	Glu	Arg	Glu		
			20					25					30				
Ser	Ser	Pro	Pro	Glu	Lys	Glu	Glu	Ala	Gln	Glu	Lys	Thr	Gly	Lys	Thr		
		35					40					45					
Glu	Pro	Ser	Phe	Thr	Lys	Glu	Asn	Ser	Ser	Lys	Ile	Pro	Lys	Lys	Gly		
	50					55					60						
Phe	Val	Glu	Val	Thr	Glu	Leu	Thr	Asp	Val	Thr	Tyr	Thr	Ser	Asn	Leu		
65					70					75					80		
Val	Arg	Leu	Arg	Pro	Gly	His	Met	Asn	Val	Val	Leu	Ile	Leu	Ser	Asn		
				85					90					95			
Ser	Thr	Lys	Thr	Ser	Leu	Leu	Gln	Lys	Phe	Ala	Leu	Glu	Val	Tyr	Thr		
			100					105					110				
Phe	Thr	Gly	Ser	Ser	Cys	Leu	His	Phe	Ser	Phe	Leu	Ser	Leu	Asp	Lys		
		115					120					125					
His	Arg	Glu	Trp	Leu	Glu	Tyr	Leu	Leu	Glu	Phe	Ala	Gln	Asp	Ala	Ala		
	130					135					140						
Pro	Ile	Pro	Asn	Gln	Tyr	Asp	Lys	His	Phe	Met	Glu	Arg	Asp	Tyr	Thr		
145					150					155					160		
Gly	Tyr	Val	Leu	Ala	Leu	Asn	Gly	His	Lys	Lys	Tyr	Phe	Cys	Leu	Phe		
			165						170					175			

Lys Pro Gln Lys Thr Val Glu Glu Glu Glu Ala Ile Gly Ser Cys Ser
180 185 190

Asp Val Asp Ser Ser Leu Tyr Leu Gly Glu Ser Arg
195 200

<210> 652
<211> 332
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (204)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (283)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (305)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 652
Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
1 5 10 15

Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg
20 25 30

Val Leu Gly Val Ser Arg Thr Ala Ser Gln Ala Asp Ile Lys Lys Ala
35 40 45

Tyr Lys Lys Leu Ala Arg Glu Trp His Pro Asp Lys Asn Lys Asp Pro
50 55 60

Gly Ala Glu Asp Lys Phe Ile Gln Ile Ser Lys Ala Tyr Glu Ile Leu
65 70 75 80

Ser Asn Glu Glu Lys Arg Ser Asn Tyr Asp Gln Tyr Gly Asp Ala Gly
85 90 95

Glu Asn Gln Gly Tyr Gln Lys Gln Gln Gln Arg Glu Tyr Arg Phe
100 105 110

Arg His Phe His Glu Asn Phe Tyr Phe Asp Glu Ser Phe Phe His Phe
115 120 125

Pro Phe Asn Ser Glu Arg Arg Asp Ser Ile Asp Glu Lys Tyr Leu Leu
 130 135 140
 His Phe Ser His Tyr Val Asn Glu Val Val Pro Asp Ser Phe Lys Lys
 145 150 155 160
 Pro Tyr Leu Ile Lys Ile Thr Ser Asp Trp Cys Phe Ser Cys Ile His
 165 170 175
 Ile Glu Pro Val Trp Lys Glu Val Ile Gln Glu Leu Glu Glu Leu Gly
 180 185 190
 Val Gly Ile Gly Val Val His Ala Gly Tyr Glu Xaa Arg Leu Ala His
 195 200 205
 His Leu Gly Ala His Ser Thr Pro Ser Ile Leu Gly Ile Ile Asn Gly
 210 215 220
 Lys Ile Ser Phe Phe His Asn Ala Val Val Arg Glu Asn Leu Arg Gln
 225 230 235 240
 Phe Val Glu Ser Leu Leu Pro Gly Asn Leu Val Glu Lys Val Thr Asn
 245 250 255
 Lys Asn Tyr Val Arg Phe Leu Ser Gly Trp Gln Gln Glu Asn Lys Pro
 260 265 270
 His Val Leu Leu Phe Asp Gln Thr Pro Ile Xaa Pro Leu Leu Tyr Lys
 275 280 285
 Leu Thr Ala Phe Ala Tyr Lys Asp Tyr Leu Ser Phe Gly Tyr Val Tyr
 290 295 300
 Xaa Gly Leu Arg Gly Thr Glu Glu Met Thr Arg Arg Tyr Asn Ile Asn
 305 310 315 320
 Ile Tyr Ala Pro Thr Leu Leu Ala Leu Lys Asn Ile
 325 330

<210> 653

<211> 737

<212> PRT

<213> Homo sapiens

<400> 653

Met Glu Val Arg Lys Leu Ser Ile Ser Trp Gln Phe Leu Ile Val Leu
 1 5 10 15

Val Leu Ile Leu Gln Ile Leu Ser Ala Leu Asp Phe Asp Pro Tyr Arg

20					25					30					
Val	Leu	Gly	Val	Ser	Arg	Thr	Ala	Ser	Gln	Ala	Asp	Ile	Lys	Lys	Ala
		35					40					45			
Tyr	Lys	Lys	Leu	Ala	Arg	Glu	Trp	His	Pro	Asp	Lys	Asn	Lys	Asp	Pro
	50					55					60				
Gly	Ala	Glu	Asp	Lys	Phe	Ile	Gln	Ile	Ser	Lys	Ala	Tyr	Glu	Ile	Leu
65					70					75					80
Ser	Asn	Glu	Glu	Lys	Arg	Ser	Asn	Tyr	Asp	Gln	Tyr	Gly	Asp	Ala	Gly
				85					90					95	
Glu	Asn	Gln	Gly	Tyr	Gln	Lys	Gln	Gln	Gln	Gln	Arg	Glu	Tyr	Arg	Phe
			100					105					110		
Arg	His	Phe	His	Glu	Asn	Phe	Tyr	Phe	Asp	Glu	Ser	Phe	Phe	His	Phe
		115					120					125			
Pro	Phe	Asn	Ser	Glu	Arg	Arg	Asp	Ser	Ile	Asp	Glu	Lys	Tyr	Leu	Leu
	130					135					140				
His	Phe	Ser	His	Tyr	Val	Asn	Glu	Val	Val	Pro	Asp	Ser	Phe	Lys	Lys
145					150					155					160
Pro	Tyr	Leu	Ile	Lys	Ile	Thr	Ser	Asp	Trp	Cys	Phe	Ser	Cys	Ile	His
				165					170					175	
Ile	Glu	Pro	Val	Trp	Lys	Glu	Val	Ile	Gln	Glu	Leu	Glu	Glu	Leu	Gly
			180					185					190		
Val	Gly	Ile	Gly	Val	Val	His	Ala	Gly	Tyr	Glu	Arg	Arg	Leu	Ala	His
		195					200					205			
His	Leu	Gly	Ala	His	Ser	Thr	Pro	Ser	Ile	Leu	Gly	Ile	Ile	Asn	Gly
	210					215					220				
Lys	Ile	Ser	Phe	Phe	His	Asn	Ala	Val	Val	Arg	Glu	Asn	Leu	Arg	Gln
225					230					235					240
Phe	Val	Glu	Ser	Leu	Leu	Pro	Gly	Asn	Leu	Val	Glu	Lys	Val	Thr	Asn
				245				250						255	
Lys	Asn	Tyr	Val	Arg	Phe	Leu	Ser	Gly	Trp	Gln	Gln	Glu	Asn	Lys	Pro
			260					265					270		
His	Val	Leu	Leu	Phe	Asp	Gln	Thr	Pro	Ile	Val	Pro	Leu	Leu	Tyr	Lys
		275					280					285			
Leu	Thr	Ala	Phe	Ala	Tyr	Lys	Asp	Tyr	Leu	Ser	Phe	Gly	Tyr	Val	Tyr
	290					295					300				

Val	Gly	Leu	Arg	Gly	Thr	Glu	Glu	Met	Thr	Arg	Arg	Tyr	Asn	Ile	Asn	
305					310					315					320	
Ile	Tyr	Ala	Pro	Thr	Leu	Leu	Val	Phe	Lys	Glu	His	Ile	Asn	Arg	Pro	
				325					330					335		
Ala	Asp	Val	Ile	Gln	Ala	Arg	Gly	Met	Lys	Lys	Gln	Ile	Ile	Asp	Asp	
			340					345					350			
Phe	Ile	Thr	Arg	Asn	Lys	Tyr	Leu	Leu	Ala	Ala	Arg	Leu	Thr	Ser	Gln	
		355					360					365				
Lys	Leu	Phe	His	Glu	Leu	Cys	Pro	Val	Lys	Arg	Ser	His	Arg	Gln	Arg	
	370					375					380					
Lys	Tyr	Cys	Val	Val	Leu	Leu	Thr	Ala	Glu	Thr	Thr	Lys	Leu	Ser	Lys	
385					390					395					400	
Pro	Phe	Glu	Ala	Phe	Leu	Ser	Phe	Ala	Leu	Ala	Asn	Thr	Gln	Asp	Thr	
				405					410					415		
Val	Arg	Phe	Val	His	Val	Tyr	Ser	Asn	Arg	Gln	Gln	Glu	Phe	Ala	Asp	
			420					425					430			
Thr	Leu	Leu	Pro	Asp	Ser	Glu	Ala	Phe	Gln	Gly	Lys	Ser	Ala	Val	Ser	
		435					440					445				
Ile	Leu	Glu	Arg	Arg	Asn	Thr	Ala	Gly	Arg	Val	Val	Tyr	Lys	Thr	Leu	
	450					455					460					
Glu	Asp	Pro	Trp	Ile	Gly	Ser	Glu	Ser	Asp	Lys	Phe	Ile	Leu	Leu	Gly	
465					470					475					480	
Tyr	Leu	Asp	Gln	Leu	Arg	Lys	Asp	Pro	Ala	Leu	Leu	Ser	Ser	Glu	Ala	
				485					490					495		
Val	Leu	Pro	Asp	Leu	Thr	Asp	Glu	Leu	Ala	Pro	Val	Phe	Leu	Leu	Arg	
			500					505					510			
Trp	Phe	Tyr	Ser	Ala	Ser	Asp	Tyr	Ile	Ser	Asp	Cys	Trp	Asp	Ser	Ile	
		515					520					525				
Phe	His	Asn	Asn	Trp	Arg	Glu	Met	Met	Pro	Leu	Leu	Ser	Leu	Ile	Phe	
	530					535					540					
Ser	Ala	Leu	Phe	Ile	Leu	Phe	Gly	Thr	Val	Ile	Val	Gln	Ala	Phe	Ser	
545					550					555					560	
Asp	Ser	Asn	Asp	Glu	Arg	Glu	Ser	Ser	Pro	Pro	Glu	Lys	Glu	Glu	Ala	
				565					570					575		

Gln Glu Lys Thr Gly Lys Thr Glu Pro Ser Phe Thr Lys Glu Asn Ser
 580 585 590
 Ser Lys Ile Pro Lys Lys Gly Phe Val Glu Val Thr Glu Leu Thr Asp
 595 600 605
 Val Thr Tyr Thr Ser Asn Leu Val Arg Leu Arg Pro Gly His Met Asn
 610 615 620
 Val Val Leu Ile Leu Ser Asn Ser Thr Lys Thr Ser Leu Leu Gln Lys
 625 630 635 640
 Phe Ala Leu Glu Val Tyr Thr Phe Thr Gly Ser Ser Cys Leu His Phe
 645 650 655
 Ser Phe Leu Ser Leu Asp Lys His Arg Glu Trp Leu Glu Tyr Leu Leu
 660 665 670
 Glu Phe Ala Gln Asp Ala Ala Pro Ile Pro Asn Gln Tyr Asp Lys His
 675 680 685
 Phe Met Glu Arg Asp Tyr Thr Gly Tyr Val Leu Ala Leu Asn Gly His
 690 695 700
 Lys Lys Tyr Phe Cys Leu Phe Lys Pro Gln Lys Thr Val Glu Glu Glu
 705 710 715 720
 Glu Ala Ile Gly Ser Cys Ser Asp Val Asp Ser Ser Leu Tyr Leu Gly
 725 730 735
 Glu

<210> 654
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 654
 Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
 1 5 10 15
 Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
 20 25 30
 Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
 35 40

<210> 655
 <211> 111
 <212> PRT
 <213> Homo sapiens

<400> 655
 Cys Gly Ser His Arg Met Ser Trp Lys Met Tyr Cys Pro Leu His Phe
 1 5 10 15
 Ser Gly Arg Val Cys Glu Glu Leu Lys Phe Phe Phe Ser Phe Phe Phe
 20 25 30
 Phe Leu Arg Arg Ser Leu Thr Pro Ala Gln Ala Thr Ala Gly Asp Ser
 35 40 45
 Val Ser Lys Lys Gln Arg Glu Glu Arg Lys Lys Glu Lys Lys Glu Gly
 50 55 60
 Arg Arg Lys Glu Gly Arg Asn Glu Gly Thr Lys Glu Gly Arg Lys Arg
 65 70 75 80
 Lys Glu Gly Arg Lys Lys Glu Arg Glu Arg Glu Arg Lys Lys Glu Arg
 85 90 95
 Lys Lys Glu Arg Lys Lys Glu Lys Lys Lys Lys Lys Thr Gly Thr
 100 105 110

<210> 656
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 656
 Met Asn Ser Ser Phe Phe Ile Ser Leu Pro Ala Leu Ile Trp Ser Val
 1 5 10 15
 Cys Leu Ile Leu Gly Trp Trp Gln Val Ser Ser Gly Lys Val Ala His
 20 25 30
 Cys Gly Phe Ile Phe Cys Phe Pro Asn Asn
 35 40

<210> 657
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 657
 Met Pro Val Phe Val Cys Ser Ile Gly Leu Cys Phe Leu Phe Ser Ile
 1 5 10 15
 Leu Leu Leu Phe Pro Pro Phe Gln Phe Ser Tyr Ile Cys Trp Leu Ser
 20 25 30
 Gln Ala Ser Val Tyr Ser Pro Ser Pro Ser Leu Ser Asn Leu Glu Val
 35 40 45
 Leu Leu Cys Leu Ser Ile Leu Leu Met Ile Ile Phe Pro Phe Leu Ile
 50 55 60
 Ser Ile Xaa Xaa Ile Xaa Ser Ile Gly Arg Leu Ser Thr His Met Gly
 65 70 75 80
 Ala His Thr His Thr His Thr His Thr His Thr His Thr His Thr Xaa
 85 90 95
 Val Cys Tyr Trp Pro Leu Leu Leu Ile Ser Gln Glu Asn Glu Pro Phe
 100 105 110
 Arg Met Phe Leu Pro Leu His Ser Ala Leu Thr Gln Asn Phe Cys Ser
 115 120 125

<210> 658
 <211> 128
 <212> PRT

<213> Homo sapiens

<400> 658

Met	Pro	Val	Phe	Val	Cys	Ser	Ile	Gly	Leu	Cys	Phe	Leu	Phe	Ser	Ile
1				5					10					15	
Leu	Leu	Leu	Phe	Pro	Pro	Phe	Gln	Phe	Ser	Tyr	Ile	Cys	Trp	Leu	Ser
			20					25					30		
Gln	Ala	Ser	Val	Tyr	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Asn	Leu	Glu	Val
		35					40					45			
Leu	Leu	Cys	Leu	Ser	Ile	Leu	Leu	Met	Ile	Ile	Phe	Pro	Phe	Leu	Ile
	50					55					60				
Ser	Ile	Ile	His	Ile	Phe	Ser	Ile	Gly	Arg	Leu	Ser	Thr	His	Met	Gly
65					70					75					80
Ala	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	His	Thr	Gln
				85					90					95	
Val	Cys	Tyr	Trp	Pro	Leu	Leu	Leu	Ile	Ser	Gln	Glu	Asn	Glu	Pro	Phe
			100					105					110		
Arg	Met	Phe	Leu	Pro	Leu	His	Ser	Ala	Leu	Thr	Gln	Asn	Phe	Cys	Ser
		115					120					125			

<210> 659

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659

Met	Ser	Trp	Arg	Val	Trp	Ala	Leu	Xaa	Phe	Phe	Pro	Ala	Val	Cys	Val
1					5				10					15	

Cys Xaa Cys Val Cys Val Tyr Thr

<210> 660
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 660
 Val Leu Met Arg Ser Asp Gly Phe Ile Arg Gly Phe Ser Pro Phe Cys
 1 5 10 15
 Trp Ala Leu Leu Leu Leu Pro Pro Arg Glu Glu Gly Cys Val Cys Phe
 20 25 30
 Pro Phe Cys His Asp Cys Lys Phe Pro Val Ala Ser Pro Ser Leu Arg
 35 40 45
 Asn Cys Glu Ser Ile Lys Ala Leu Phe Phe Ile Lys Lys Lys Lys Lys
 50 55 60
 Asn
 65

<210> 661
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 661
 Met Ser Trp Arg Val Trp Ala Leu Leu Phe Phe Pro Ala Val Cys Val
 1 5 10 15
 Cys Val Cys Val Cys Val Cys Ala Cys Thr Arg Thr Arg Val Cys Asp
 20 25 30
 Glu Thr Ile Lys Leu Val
 35

<210> 662
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 662
 Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
 1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 663
<211> 37
<212> PRT
<213> Homo sapiens

<400> 663
Met Val Glu Ser Pro Val Cys Gly Leu Leu Glu Gly Trp Phe Phe Leu
1 5 10 15

Leu Phe Ser Leu Ala Phe Leu Ser Thr His Leu Phe Ser Glu Ala Ser
20 25 30

Pro Leu Ser Ile Leu
35

<210> 664
<211> 58
<212> PRT
<213> Homo sapiens

<400> 664
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15

Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30

Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45

Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 665
<211> 2
<212> PRT
<213> Homo sapiens

<400> 665

Leu Glu
1

<210> 666
<211> 58
<212> PRT
<213> Homo sapiens

<400> 666
Met Thr Leu Ser Val Leu Gln His Phe Phe Ile Cys Val Leu Leu Ile
1 5 10 15
Leu Leu Leu Asp Thr Asn Leu Cys Arg Gln Ile Ser Ser His Ser Phe
20 25 30
Glu Phe Ser Gly Asn Gln Pro Leu Val Phe Cys Cys Ile Ser Ser Ile
35 40 45
Ser Ala Lys Leu Val Leu Asp Gln Ala Gly
50 55

<210> 667
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667

Val Ala Gln Val Gln Val Pro Gly Gly His Ile Gly Leu Gly Tyr Leu
1 5 10 15

Ala Arg Ile Asp Phe His Arg Arg Asp Gly Thr Gly Gly Ile Pro Ala
20 25 30

Arg Ile Asp Gly Gly Glu Ile Asp Val Ala Leu Leu Pro Gly Gln Ala
35 40 45

Val Asp His Ile Met Ala Arg Ala Cys Gly Gly Glu His Leu Ala Glu
50 55 60

Val Gly Arg Gly Thr Val Gln Gly Leu Leu Gly Arg Ala Val Leu Ala
65 70 75 80

Ala Gln Ala Arg Arg Ala Pro Pro Xaa Gln Pro Leu Pro Ala Thr Met
85 90 95

Gly Phe Trp Gly Trp Lys Xaa Xaa Pro Asn Arg Gly Leu Trp Phe Lys
100 105 110

Xaa Trp Lys Pro Pro Phe Gly Ala Xaa Gly Val Pro
115 120

<210> 668

<211> 283

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (205)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 668

Met Lys Ile Val Pro Leu Thr Ala Ala Val Leu Ala Leu Val Leu Ala

1		5		10		15											
Pro	Ala	Ala	His	Ala	Gln	Pro	Ala	Asn	Lys	Ala	Thr	Thr	Val	Ser	Pro		
			20					25					30				
Thr	Ala	Ala	Ala	Phe	Leu	Ala	Gln	Phe	Ala	Thr	Glu	Gly	Asn	Asp	Ser		
		35					40					45					
Val	Ser	Trp	Ala	Gln	Phe	Glu	Ala	Phe	Arg	Lys	Gln	Arg	Tyr	Ala	Asp		
	50					55					60						
Thr	Asp	Arg	Asn	Gln	Asp	Gly	His	Val	Asp	Glu	Gln	Glu	Tyr	Val	Asp		
65					70					75					80		
Glu	Tyr	Leu	Gln	Arg	Phe	Asp	Val	Arg	Leu	Ala	Asp	Ala	Arg	Ala	Gly		
				85					90						95		
His	Leu	Arg	Gln	Thr	Asp	Thr	Arg	Phe	Lys	Ala	Leu	Asp	Arg	Asp	Gly		
			100					105					110				
Asn	Gly	Ala	Ile	Ser	Arg	Ala	Glu	Tyr	Asp	Ala	Ala	Gly	Glu	Arg	Thr		
	115						120					125					
Trp	Ala	Gly	Tyr	Glu	Arg	Ser	Gln	Asn	Ala	Thr	Gln	Glu	Thr	Ala	Ala		
	130					135					140						
Ala	Ser	Ser	Arg	Asp	Pro	Leu	Lys	Met	Pro	Thr	Ser	His	Thr	Ala	Asn		
145					150					155					160		
Gly	Met	Leu	Asp	Leu	Tyr	Asp	Arg	Asn	Lys	Asp	Gly	Ala	Xaa	Asp	Arg		
				165					170					175			
Glu	Glu	Phe	Asp	Ala	Val	Arg	Ala	Ala	Ser	Phe	Ala	Xaa	Thr	Asp	Thr		
			180					185					190				
Asp	Gly	Asn	Gly	Thr	Leu	Ser	Leu	Ala	Glu	Tyr	Thr	Xaa	Glu	Phe	Glu		
	195						200					205					
Gly	Arg	Leu	Asp	Gln	Gln	Arg	Gln	Arg	Val	Arg	Ala	Asp	Ala	Glu	Arg		
	210					215					220						
Gln	Ala	Arg	Val	Arg	Phe	Ala	Ser	Leu	Asp	Lys	Asp	Thr	Asp	Gly	Arg		
225					230					235					240		
Met	Thr	Phe	Ala	Glu	Tyr	Gln	Leu	Ser	Gly	Lys	Arg	Met	Phe	Asp	Arg		
				245					250					255			
Ala	Asp	Ser	Asn	Gly	Asp	Gly	Val	Val	Asp	Ala	Arg	Asp	Pro	Glu	Pro		
			260					265					270				
Val	Ala	Gly	Ala	His	Ser	Ala	Asn	Gly	Asn	Arg							
		275					280										

<210> 669

<211> 283

<212> PRT

<213> Homo sapiens

<400> 669

Met Lys Ile Val Pro Leu Thr Ala Ala Val Leu Ala Leu Val Leu Ala
1 5 10 15

Pro Ala Ala His Ala Gln Pro Ala Asn Lys Ala Thr Thr Val Ser Pro
20 25 30

Thr Ala Ala Ala Phe Leu Ala Gln Phe Ala Thr Glu Gly Asn Asp Ser
35 40 45

Val Ser Trp Ala Gln Phe Glu Ala Phe Arg Lys Gln Arg Tyr Ala Asp
50 55 60

Thr Asp Arg Asn Gln Asp Gly His Val Asp Glu Gln Glu Tyr Val Asp
65 70 75 80

Glu Tyr Leu Gln Arg Phe Asp Val Arg Leu Ala Asp Ala Arg Ala Gly
85 90 95

His Leu Arg Gln Thr Asp Thr Arg Phe Lys Ala Leu Asp Arg Asp Gly
100 105 110

Asn Gly Ala Ile Ser Arg Ala Glu Tyr Asp Ala Ala Gly Glu Arg Thr
115 120 125

Trp Ala Gly Tyr Glu Arg Ser Gln Asn Ala Thr Gln Glu Thr Ala Ala
130 135 140

Ala Ser Ser Arg Asp Pro Leu Lys Met Pro Thr Ser His Thr Ala Asn
145 150 155 160

Gly Met Leu Asp Leu Tyr Asp Arg Asn Lys Asp Gly Ala Val Asp Arg
165 170 175

Glu Glu Phe Asp Ala Val Arg Ala Ala Ser Phe Ala Ala Thr Asp Thr
180 185 190

Asp Gly Asn Gly Thr Leu Ser Leu Ala Glu Tyr Thr Ala Glu Phe Glu
195 200 205

Gly Arg Leu Asp Gln Gln Arg Gln Arg Val Arg Ala Asp Ala Glu Arg
210 215 220

Gln Ala Arg Val Arg Phe Ala Ser Leu Asp Lys Asp Thr Asp Gly Arg

225		230		235		240									
Met	Thr	Phe	Ala	Glu	Tyr	Gln	Leu	Ser	Gly	Lys	Arg	Met	Phe	Asp	Arg
				245					250					255	
Ala	Asp	Ser	Asn	Gly	Asp	Gly	Val	Val	Asp	Ala	Arg	Asp	Pro	Glu	Pro
			260					265					270		
Val	Ala	Gly	Ala	His	Ser	Ala	Asn	Gly	Asn	Arg					
		275					280								

<210> 670
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 670
Asn Leu Trp Xaa Ala His Phe Phe Leu Asn Xaa Ser Ser Ile Gln Ile
1 5 10 15
Glu Tyr Pro Pro Leu Ser Lys Met Leu Glu Thr Pro Lys Gly Lys Gly
20 25 30
Trp Phe Phe Gly Glu Phe Phe Phe Trp Val Phe Leu Phe Phe Leu Gly
35 40 45
Phe Ala Phe Gly Phe Trp Asn Ser Leu Phe Val Leu Tyr Leu Phe Val
50 55 60
Gly His Pro Lys Ser Glu Ile Cys Ser Lys Ile Gln Asn Val Lys Cys
65 70 75 80
Ser Ser Glu His Phe Leu
85

<210> 671
 <211> 57
 <212> PRT

<213> Homo sapiens

<400> 671

Met Gly Leu Leu Pro Gly Trp Leu Leu Leu Trp Ala Arg Leu Lys Cys
1 5 10 15

Phe Cys Ala Val Gly Leu Gly Ser Leu Ala Ala Val Tyr Gly Arg Gly
20 25 30

Pro Gly Leu Pro Gln Asp Gln Leu Asp Cys Val Leu Trp Asp Cys Gly
35 40 45

Thr Leu Gly Leu Tyr Arg Gly Gln Phe
50 55

<210> 672

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 672

Leu Phe Ser Gly Trp Leu Val Xaa Leu Cys Gly Val
1 5 10

<210> 673

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 673

Met Gly Glu Thr Leu Val Ser Val Phe Leu Lys Pro Pro Ala Leu Thr
1 5 10 15

Trp Leu Leu Arg Ala Ile Cys Leu Met Val Gln Thr Trp Ala Xaa Gly
20 25 30

Gln Arg Ser Trp Pro Gln Ser Leu Ala Leu Pro Cys Tyr Leu Asn Arg
35 40 45

<210> 674
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 674
 Met Leu Xaa Ser Asn Ser Phe Ser Pro Ser Leu Ser Xaa Tyr Leu Cys
 1 5 10 15

Xaa Leu Xaa Phe Ser Leu Xaa Ser Ser Lys Ser Ser Lys
 20 25

<210> 675
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 675
 Met Leu Cys Ser Asn Ser Phe Ser Pro Ser Leu Ser Val Tyr Leu Cys

1 5 10 15
 Ser Leu Cys Phe Ser Leu Val Ser Ser Lys Ser Ser Lys
 20 25

<210> 676
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 676
 Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
 1 5 10 15
 Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
 20 25 30
 Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
 35 40 45
 Arg Pro Ile Pro Ser Phe Leu Lys Ile
 50 55

<210> 677
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 677
 Gln Val Ser Leu Pro Thr Arg Leu Leu Gln Met Pro Gly Met Gly Leu
 1 5 10 15
 Asp Ser Arg Phe Gln Ala Trp Xaa Pro Ser Pro Tyr Leu Gly Pro Gln
 20 25 30
 Pro Arg Ala Pro Arg Pro Gly Leu Gln Pro Gly Pro Ser Leu Arg Gly
 35 40 45

Ala Glu Phe Arg Glu Ser Cys Pro Arg Ser Gln Lys Arg Gly Arg Glu
 50 55 60

Xaa Gly Arg Pro Cys Pro Gly Cys Arg Pro Gly Gly Trp Gly Leu Pro
 65 70 75 80

Ala Arg Leu Gly Gln Pro Gln Leu Gln Thr Gly Pro Gly
 85 90

<210> 678

<211> 57

<212> PRT

<213> Homo sapiens

<400> 678

Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
 1 5 10 15

Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
 20 25 30

Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
 35 40 45

Arg Pro Ile Pro Ser Phe Leu Lys Ile
 50 55

<210> 679

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 679

Met Val Gly Arg Cys Ser Ile Leu Ser Ser Thr Pro Xaa Arg His Pro
 1 5 10 15

Ser Leu Ser Trp Glu Gly Leu Gly Gly
 20 25

<210> 680

<211> 25

<212> PRT

<213> Homo sapiens

<400> 680

Met	Val	Gly	Arg	Cys	Ser	Ile	Leu	Ser	Ser	Thr	Pro	Gln	Arg	His	Pro
1				5				10						15	

Ser	Leu	Ser	Trp	Glu	Gly	Leu	Gly	Gly
			20				25	

<210> 681

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 681

Met	Gly	Thr	Gln	Gly	Cys	Pro	His	Pro	Ser	Trp	Leu	Xaa	Leu	Leu	Gly
1				5					10					15	

Leu Ser

<210> 682

<211> 30

<212> PRT

<213> Homo sapiens

<400> 682

Met	Gly	Thr	Gln	Gly	Cys	Pro	His	Pro	Ser	Trp	Leu	Leu	Leu	Leu	Gly
1				5					10					15	

Leu	Ser	Trp	Trp	Gly	Glu	Gly	Asp	Gly	Ala	Val	Gly	Pro	Cys
			20				25						30

<210> 683

<211> 10

<212> PRT

<213> Homo sapiens

<400> 683

Ser Leu Leu Glu Leu Gly Leu Gly Pro Leu

1

5

10

<210> 684

<211> 206

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 684

Asp	Xaa	Xaa	Pro	Gly	Ala	Tyr	Ala	Gly	Phe	Arg	Pro	Asn	Ala	Asn	Arg
1				5					10					15	

Ile	Ser	Phe	Pro	Val	Phe	Arg	Asn	Asn	Val	Cys	Pro	Trp	Pro	Glu	Ala
			20					25					30		

Leu	Arg	Ser	Ala	Pro	Lys	Leu	Leu	Xaa	Leu	Asp	Glu	Pro	Met	Gly	Ala
		35					40					45			

Leu	Asp	Lys	Lys	Leu	Arg	Asp	Arg	Met	Gln	Leu	Glu	Val	Val	Asp	Ile
	50					55					60				

Leu	Glu	Arg	Val	Gly	Val	Thr	Cys	Val	Met	Val	Thr	His	Asp	Gln	Glu
65					70					75					80

Glu	Ala	Met	Thr	Met	Ala	Gly	Arg	Ile	Ala	Ile	Met	Asn	Arg	Gly	Lys
				85					90					95	

Phe	Val	Gln	Ile	Gly	Glu	Pro	Glu	Glu	Ile	Tyr	Glu	His	Pro	Thr	Thr
			100					105					110		

Arg	Tyr	Ser	Ala	Glu	Phe	Ile	Gly	Ser	Val	Asn	Val	Phe	Glu	Gly	Val
		115					120					125			

Leu	Lys	Glu	Arg	Gln	Glu	Asp	Gly	Leu	Val	Leu	Asp	Ser	Pro	Gly	Leu
	130					135					140				

Val His Pro Leu Lys Val Asp Ala Asp Ala Ser Val Val Asp Asn Val
 145 150 155 160

Pro Val His Val Ala Leu Arg Pro Glu Lys Ile Met Leu Cys Glu Glu
 165 170 175

Pro Pro Ala Asn Gly Cys Asn Phe Ala Val Gly Glu Val Ile His Ile
 180 185 190

Ala Tyr Leu Gly Asp Leu Ser Val Tyr His Val Arg Leu Lys
 195 200 205

<210> 685

<211> 440

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (191)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 685

Met Ala Ser Leu Val Ser Leu Glu Leu Gly Leu Leu Leu Ala Val Leu
 1 5 10 15

Val Val Thr Ala Thr Ala Ser Pro Pro Ala Gly Leu Leu Ser Leu Leu
 20 25 30

Thr Ser Gly Gln Gly Ala Leu Asp Gln Glu Ala Leu Gly Gly Leu Leu

Leu Ser Gln Ser Glu Arg Tyr Leu Tyr Gly Ser Leu Ala Thr Leu Leu
 325 330 335
 Ile Cys Leu Cys Ala Val Phe Gly Leu Leu Leu Leu Thr Cys Thr Gly
 340 345 350
 Cys Arg Gly Val Thr His Tyr Ile Leu Gln Thr Phe Leu Ser Leu Ala
 355 360 365
 Val Gly Ala Leu Thr Gly Asp Ala Val Leu His Leu Thr Pro Lys Val
 370 375 380
 Leu Gly Leu His Thr His Ser Glu Glu Gly Leu Ser Pro Gln Pro Thr
 385 390 395 400
 Trp Arg Leu Leu Ala Met Leu Ala Gly Leu Tyr Ala Phe Phe Leu Phe
 405 410 415
 Glu Asn Leu Phe Asn Leu Leu Leu Pro Arg Asp Pro Glu Asp Leu Glu
 420 425 430
 Asp Gly Pro Ala Ala Thr Ala Ala
 435 440

<210> 686
 <211> 647
 <212> PRT
 <213> Homo sapiens

<400> 686
 Met Ala Ser Leu Val Ser Leu Glu Leu Gly Leu Leu Leu Ala Val Leu
 1 5 10 15
 Val Val Thr Ala Thr Ala Ser Pro Pro Ala Gly Leu Leu Ser Leu Leu
 20 25 30
 Thr Ser Gly Gln Gly Ala Leu Asp Gln Glu Ala Leu Gly Gly Leu Leu
 35 40 45
 Asn Thr Leu Ala Asp Arg Val His Cys Ala Asn Gly Pro Cys Gly Lys
 50 55 60
 Cys Leu Ser Val Glu Asp Ala Leu Gly Leu Gly Glu Pro Glu Gly Ser
 65 70 75 80
 Gly Leu Pro Pro Gly Pro Val Leu Glu Ala Arg Tyr Val Ala Arg Leu
 85 90 95
 Ser Ala Ala Ala Val Leu Tyr Leu Ser Asn Pro Glu Gly Thr Cys Glu

100						105						110					
Asp	Ala	Arg	Ala	Gly	Leu	Trp	Ala	Ser	His	Ala	Asp	His	Leu	Leu	Ala		
115						120						125					
Leu	Leu	Glu	Ser	Pro	Lys	Ala	Leu	Thr	Pro	Gly	Leu	Ser	Trp	Leu	Leu		
130						135						140					
Gln	Arg	Met	Gln	Ala	Arg	Ala	Ala	Gly	Gln	Thr	Pro	Lys	Thr	Ala	Cys		
145						150						155					
Val	Asp	Ile	Pro	Gln	Leu	Leu	Glu	Glu	Ala	Val	Gly	Ala	Gly	Ala	Pro		
165						170						175					
Gly	Ser	Ala	Gly	Gly	Val	Leu	Ala	Ala	Leu	Leu	Asp	His	Val	Arg	Ser		
180						185						190					
Gly	Ser	Cys	Phe	His	Ala	Leu	Pro	Ser	Pro	Gln	Tyr	Phe	Val	Asp	Phe		
195						200						205					
Val	Phe	Gln	Gln	His	Ser	Ser	Glu	Val	Pro	Met	Thr	Leu	Ala	Glu	Leu		
210						215						220					
Ser	Ala	Leu	Met	Gln	Arg	Leu	Gly	Val	Gly	Arg	Glu	Ala	His	Ser	Asp		
225						230						235					
His	Ser	His	Arg	His	Arg	Gly	Ala	Ser	Ser	Arg	Asp	Pro	Val	Pro	Leu		
245						250						255					
Ile	Ser	Ser	Ser	Asn	Ser	Ser	Ser	Val	Trp	Asp	Thr	Val	Cys	Leu	Ser		
260						265						270					
Ala	Arg	Asp	Val	Met	Ala	Ala	Tyr	Gly	Leu	Ser	Glu	Gln	Ala	Gly	Val		
275						280						285					
Thr	Pro	Glu	Ala	Trp	Ala	Gln	Leu	Ser	Pro	Ala	Leu	Leu	Gln	Gln	Gln		
290						295						300					
Leu	Ser	Gly	Ala	Cys	Thr	Ser	Gln	Ser	Arg	Pro	Pro	Val	Gln	Asp	Gln		
305						310						315					
Leu	Ser	Gln	Ser	Glu	Arg	Tyr	Leu	Tyr	Gly	Ser	Leu	Ala	Thr	Leu	Leu		
325						330						335					
Ile	Cys	Leu	Cys	Ala	Val	Phe	Gly	Leu	Leu	Leu	Leu	Thr	Cys	Thr	Gly		
340						345						350					
Cys	Arg	Gly	Val	Thr	His	Tyr	Ile	Leu	Gln	Thr	Phe	Leu	Ser	Leu	Ala		
355						360						365					
Val	Gly	Ala	Leu	Thr	Gly	Asp	Ala	Val	Leu	His	Leu	Thr	Pro	Lys	Val		
370						375						380					

Leu	Gly	Leu	His	Thr	His	Ser	Glu	Glu	Gly	Leu	Ser	Pro	Gln	Pro	Thr	385	390	395	400
Trp	Arg	Leu	Leu	Ala	Met	Leu	Ala	Gly	Leu	Tyr	Ala	Phe	Phe	Leu	Phe	405	410	415	
Glu	Asn	Leu	Phe	Asn	Leu	Leu	Leu	Pro	Arg	Asp	Pro	Glu	Asp	Leu	Glu	420	425	430	
Asp	Gly	Pro	Cys	Gly	His	Ser	Ser	His	Ser	His	Gly	Gly	His	Ser	His	435	440	445	
Gly	Val	Ser	Leu	Gln	Leu	Ala	Pro	Ser	Glu	Leu	Arg	Gln	Pro	Lys	Pro	450	455	460	
Pro	His	Glu	Gly	Ser	Arg	Ala	Asp	Leu	Val	Ala	Glu	Glu	Ser	Pro	Glu	465	470	475	480
Leu	Leu	Asn	Pro	Glu	Pro	Arg	Arg	Leu	Ser	Pro	Glu	Leu	Arg	Leu	Leu	485	490	495	
Pro	Tyr	Met	Ile	Thr	Leu	Gly	Asp	Ala	Val	His	Asn	Phe	Ala	Asp	Gly	500	505	510	
Leu	Ala	Val	Gly	Ala	Ala	Phe	Ala	Ser	Ser	Trp	Lys	Thr	Gly	Leu	Ala	515	520	525	
Thr	Ser	Leu	Ala	Val	Phe	Cys	His	Glu	Leu	Pro	His	Glu	Leu	Gly	Asp	530	535	540	
Phe	Ala	Ala	Leu	Leu	His	Ala	Gly	Leu	Ser	Val	Arg	Gln	Ala	Leu	Leu	545	550	555	560
Leu	Asn	Leu	Ala	Ser	Ala	Leu	Thr	Ala	Phe	Ala	Gly	Leu	Tyr	Val	Ala	565	570	575	
Leu	Ala	Val	Gly	Val	Ser	Glu	Glu	Ser	Glu	Ala	Trp	Ile	Leu	Ala	Val	580	585	590	
Ala	Thr	Gly	Leu	Phe	Leu	Tyr	Val	Ala	Leu	Cys	Asp	Met	Leu	Pro	Ala	595	600	605	
Met	Leu	Lys	Val	Arg	Asp	Pro	Arg	Pro	Trp	Leu	Leu	Phe	Leu	Leu	His	610	615	620	
Asn	Val	Gly	Leu	Leu	Gly	Gly	Trp	Thr	Val	Leu	Leu	Leu	Leu	Ser	Leu	625	630	635	640
Tyr	Glu	Asp	Asp	Ile	Thr	Phe										645			

<210> 687
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 687
 Ile Ser Val Ile Phe Asn Asp Thr Val Lys Lys Thr Met Gln Glu Cys
 1 5 10 15
 Ser Ala Met Lys Gln Ile Phe Lys Asp Leu Phe Thr Gly Phe Leu Ser
 20 25 30
 Trp Asn Ile His Leu Phe Pro Arg Cys Leu Cys Asp Ser Glu Ile Xaa
 35 40 45

Pro

<210> 688
 <211> 307
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (249)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (261)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
 Met Leu Arg Val Val Glu Gly Ile Phe Ile Phe Val Val Val Ser Glu
 1 5 10 15
 Ser Val Phe Gly Val Leu Gly Asn Gly Phe Ile Gly Leu Val Asn Cys
 20 25 30
 Ile Asp Cys Ala Lys Asn Lys Leu Ser Thr Ile Gly Phe Ile Leu Thr
 35 40 45

Gly Leu Ala Ile Ser Arg Ile Phe Leu Ile Trp Ile Ile Ile Thr Asp
 50 55 60
 Gly Phe Ile Gln Ile Phe Ser Pro Asn Ile Tyr Ala Ser Gly Asn Leu
 65 70 75 80
 Ile Glu Tyr Ile Ser Tyr Phe Trp Val Ile Gly Asn Gln Ser Ser Met
 85 90 95
 Trp Phe Ala Thr Ser Leu Ser Ile Phe Tyr Phe Leu Lys Ile Ala Asn
 100 105 110
 Phe Ser Asn Tyr Ile Phe Leu Trp Leu Lys Ser Arg Thr Asn Met Val
 115 120 125
 Leu Pro Phe Met Ile Val Phe Leu Leu Ile Ser Ser Leu Leu Asn Phe
 130 135 140
 Ala Tyr Ile Ala Lys Ile Leu Asn Asp Tyr Lys Met Lys Asn Asp Thr
 145 150 155 160
 Val Trp Asp Leu Asn Met Tyr Lys Ser Glu Tyr Phe Ile Lys Gln Ile
 165 170 175
 Leu Leu Asn Leu Gly Val Ile Phe Phe Phe Thr Leu Ser Leu Ile Thr
 180 185 190
 Cys Ile Phe Leu Ile Ile Ser Leu Trp Arg His Asn Arg Gln Met Gln
 195 200 205
 Ser Asn Val Thr Gly Leu Arg Asp Ser Asn Thr Glu Ala His Val Lys
 210 215 220
 Ala Met Lys Val Leu Ile Ser Phe Ile Ile Leu Phe Ile Leu Tyr Phe
 225 230 235 240
 Ile Gly Met Ala Ile Glu Ile Ser Xaa Phe Thr Val Arg Glu Asn Lys
 245 250 255
 Leu Leu Leu Met Xaa Gly Met Thr Thr Thr Ala Ile Tyr Pro Trp Gly
 260 265 270
 His Ser Phe Ile Leu Ile Leu Gly Asn Ser Lys Leu Lys Gln Ala Ser
 275 280 285
 Leu Arg Val Leu Gln Gln Leu Lys Cys Cys Glu Lys Arg Lys Asn Leu
 290 295 300
 Arg Val Thr
 305

<210> 689
 <211> 181
 <212> PRT
 <213> Homo sapiens

<400> 689
 Met Val Leu Pro Phe Met Ile Val Phe Leu Leu Ile Ser Ser Leu Leu
 1 5 10 15
 Asn Phe Ala Tyr Ile Ala Lys Ile Leu Asn Asp Tyr Lys Met Lys Asn
 20 25 30
 Asp Thr Val Trp Asp Leu Asn Met Tyr Lys Ser Glu Tyr Phe Ile Lys
 35 40 45
 Gln Ile Leu Leu Asn Leu Gly Val Ile Phe Phe Phe Thr Leu Ser Leu
 50 55 60
 Ile Thr Cys Ile Phe Leu Ile Ile Ser Leu Trp Arg His Asn Arg Gln
 65 70 75 80
 Met Gln Ser Asn Val Thr Gly Leu Arg Asp Ser Asn Thr Glu Ala His
 85 90 95
 Val Lys Ala Met Lys Val Leu Ile Ser Phe Ile Ile Leu Phe Ile Leu
 100 105 110
 Tyr Phe Ile Gly Met Ala Ile Glu Ile Ser Cys Phe Thr Val Arg Glu
 115 120 125
 Asn Lys Leu Leu Leu Met Phe Gly Met Thr Thr Thr Ala Ile Tyr Pro
 130 135 140
 Trp Gly His Ser Phe Ile Leu Ile Leu Gly Asn Ser Lys Leu Lys Gln
 145 150 155 160
 Ala Ser Leu Arg Val Leu Gln Gln Leu Lys Cys Cys Glu Lys Arg Lys
 165 170 175
 Asn Leu Arg Val Thr
 180

<210> 690
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 690
 Ala Ala Met Arg Arg Trp Ala Ser Ser Ser Leu Glu Gly Glu Glu Leu

1		5		10		15									
Ser	Thr	Gln	Arg	Asp	Leu	Thr	Arg	Lys	Val	His	Pro	Pro	Ser	Thr	Gln
		20						25					30		
Glu	Ala	Pro	Ala	Asp	Ser	Met	Cys	Phe	Arg	Leu	Cys	Trp	Pro	Asn	Gly
		35					40					45			
Leu	Cys	Arg	Asp	Tyr	Ser	Ala	Leu	Pro	Leu	Trp	Leu	Gln	Ser	Asp	His
	50					55					60				
Arg	Pro	Ser	Glu	Ser	Glu										
65					70										

<210> 691

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 691

Met	Pro	Val	Gly	Ser	Leu	Pro	His	Pro	Gly	Cys	Leu	Trp	Ala	Ala	Phe
1				5					10					15	
Leu	Thr	Leu	Asp	Ala	Cys	Gly	Leu	Pro	Ser	Ser	Pro	Trp	Met	Pro	Val
			20					25					30		
Gly	Ser	Leu	Pro	His	Pro	Gly	Cys	Leu	Trp	Ala	Ala	Phe	Leu	Thr	Leu
		35					40					45			
Asp	Ala	Cys	Gly	Gln	Pro	Ser	Ser	Pro	Trp	Met	Pro	Val	Gly	Xaa	Leu
	50					55					60				
Leu	Thr	Leu	Asp	Ala	Cys	Gly	Gln	Xaa	Ser	Ser	Pro	Gly	Cys	Leu	Trp
65					70				75					80	
Ala	Ala	Phe	Leu	Thr	Trp	Ser	Leu								
					85										

<210> 692
 <211> 190
 <212> PRT
 <213> Homo sapiens

<400> 692

Met	Pro	Val	Gly	Ser	Leu	Pro	His	Pro	Gly	Cys	Leu	Trp	Ala	Ala	Phe
1				5					10					15	
Leu	Thr	Leu	Asp	Ala	Cys	Gly	Leu	Pro	Ser	Ser	Pro	Trp	Met	Pro	Val
			20					25					30		
Gly	Ser	Leu	Pro	His	Pro	Gly	Cys	Leu	Trp	Ala	Ala	Phe	Leu	Thr	Leu
		35					40					45			
Asp	Ala	Cys	Gly	Gln	Pro	Ser	Ser	Pro	Trp	Met	Pro	Val	Gly	Cys	Leu
	50					55					60				
Pro	His	Pro	Gly	Cys	Leu	Trp	Ala	Ala	Phe	Leu	Thr	Leu	Asp	Ala	Cys
65					70					75					80
Gly	Gln	Pro	Ser	Ser	Pro	Trp	Met	Pro	Val	Thr	Trp	Phe	Pro	Trp	Gly
				85					90					95	
Leu	Pro	Lys	Leu	Arg	Asp	Pro	Lys	Pro	Pro	Ser	Asn	Leu	Met	Thr	Arg
			100					105					110		
Pro	Val	Ser	Glu	His	Thr	Cys	Val	Val	Pro	Glu	Pro	Leu	Thr	Asn	Pro
		115					120					125			
Leu	Cys	Asn	Pro	Ala	His	Ala	Phe	Pro	Ile	Leu	Lys	Gly	Pro	Ala	His
	130					135					140				
Arg	Pro	Ala	His	Val	Phe	Pro	Leu	Pro	Leu	Leu	Cys	Pro	Tyr	Leu	Val
145					150					155					160
Gly	Ser	Cys	Pro	Phe	Trp	Ala	Leu	Val	Trp	His	Phe	Thr	His	Lys	Cys
				165					170					175	
Val	Leu	Trp	Val	Val	Ser	Gly	Pro	Pro	Pro	Ala	Val	Arg	Gly		
			180					185					190		

<210> 693
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 693

Met	Trp	Leu	Ser	Pro	Val	Pro	Gly	Val	Cys	Ala	Ala	Val	Leu	Ala	Leu
1				5					10				15		

Ser Phe Trp Ile Ala Lys Phe Pro Gly Glu Gly Thr Ala Ile Ala Lys
20 25 30

Ala Leu Gly Arg Leu Lys
35

<210> 694

<211> 38

<212> PRT

<213> Homo sapiens

<400> 694

Met Trp Leu Ser Pro Val Pro Gly Val Cys Ala Ala Val Leu Ala Leu
1 5 10 15

Ser Phe Trp Ile Ala Lys Phe Pro Gly Glu Gly Thr Ala Ile Ala Lys
20 25 30

Ala Leu Gly Arg Leu Lys
35

<210> 695

<211> 26

<212> PRT

<213> Homo sapiens

<400> 695

Gly Leu Phe Leu Gly Gln Met Asn Trp Ile Phe Ser Cys Cys Phe Ser
1 5 10 15

Asn Asn Val Thr Thr Thr Val Lys Lys Arg
20 25

<210> 696

<211> 166

<212> PRT

<213> Homo sapiens

<400> 696

Met Ser Phe Thr Val Ser Met Ala Ile Gly Leu Val Leu Gly Gly Phe
1 5 10 15

Ile Trp Ala Val Phe Ile Cys Leu Ser Arg Arg Arg Arg Ala Ser Ala
20 25 30

Pro Ile Ser Gln Trp Ser Ser Ser Arg Arg Ser Arg Ser Ser Tyr Thr
 35 40 45
 His Gly Leu Asn Arg Thr Gly Phe Tyr Arg His Ser Gly Cys Glu Arg
 50 55 60
 Arg Ser Asn Leu Ser Leu Ala Ser Leu Thr Phe Gln Arg Gln Ala Ser
 65 70 75 80
 Leu Glu Gln Ala Asn Ser Phe Pro Arg Lys Ser Ser Phe Arg Ala Ser
 85 90 95
 Thr Phe His Pro Phe Leu Gln Cys Pro Pro Leu Pro Val Glu Thr Glu
 100 105 110
 Ser Gln Leu Val Thr Leu Pro Ser Ser Asn Ile Ser Pro Thr Ile Ser
 115 120 125
 Thr Ser His Ser Leu Ser Arg Pro Asp Tyr Trp Ser Ser Asn Ser Leu
 130 135 140
 Arg Val Gly Leu Ser Thr Pro Pro Pro Pro Ala Tyr Glu Ser Ile Ile
 145 150 155 160
 Lys Ala Phe Pro Asp Ser
 165

<210> 697
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 697
 Met Ser Phe Thr Val Ser Met Ala Ile Gly Leu Val Leu Gly Gly Phe
 1 5 10 15
 Ile Trp Ala Val Phe Ile Cys Leu Ser Arg Arg Arg Arg Ala Ser Ala
 20 25 30
 Pro Ile Ser Gln Trp Ser Ser Ser Arg Arg Ser Arg Ser Ser Tyr Thr
 35 40 45
 His Gly Leu Asn Arg Thr Gly Phe Tyr Arg His Ser Gly Cys Glu Arg
 50 55 60
 Arg Ser Asn Leu Ser Leu Ala Ser Leu Thr Phe Gln Arg Gln Ala Ser
 65 70 75 80
 Leu Glu Gln Ala Asn Ser Phe Pro Arg Lys Ser Ser Phe Arg Ala Ser
 85 90 95

Thr	Phe	His	Pro	Phe	Leu	Gln	Cys	Pro	Pro	Leu	Pro	Val	Glu	Thr	Glu
			100					105					110		
Ser	Gln	Leu	Val	Thr	Leu	Pro	Ser	Ser	Asn	Ile	Ser	Pro	Thr	Ile	Ser
		115					120					125			
Thr	Ser	His	Ser	Leu	Ser	Arg	Pro	Asp	Tyr	Trp	Ser	Ser	Asn	Ser	Leu
	130					135					140				
Arg	Val	Gly	Leu	Ser	Thr	Pro	Pro	Pro	Pro	Ala	Tyr	Glu	Ser	Ile	Ile
145					150					155					160
Lys	Ala	Phe	Pro	Asp	Ser										
				165											

<210> 698
 <211> 61
 <212> PRT
 <213> Homo sapiens

Met	Val	Leu	Ile	Asn	Ser	Gly	Lys	Pro	Gly	Ser	Lys	Cys	Cys	Trp	Val
1				5					10					15	
Phe	Arg	Pro	Gly	Leu	Ser	Ala	Pro	Cys	Ser	Ala	Leu	Trp	Trp	Gly	Cys
			20					25						30	
Pro	Gly	Leu	Ala	Leu	Ser	Leu	Ser	Gly	Pro	Gln	Val	Arg	Leu	Phe	Thr
		35					40					45			
Arg	Arg	Tyr	Glu	Thr	Thr	Leu	Pro	Asn	Thr	Gly	Pro	Trp			
	50					55					60				

<210> 699
 <211> 54
 <212> PRT
 <213> Homo sapiens

Met	Leu	Leu	Gly	Leu	Gln	Ala	Arg	Leu	Val	Ser	Ser	Leu	Leu	Cys	Ser
1				5					10					15	
Val	Val	Gly	Cys	Leu	Gly	Cys	Ser	Phe	Phe	Cys	Pro	Arg	Arg	Tyr	Tyr
			20					25					30		
Lys	Lys	Leu	Asn	Leu	His	Lys	Ala	Cys	Met	Glu	Asn	Ser	Val	Ser	Ala
		35					40					45			

Glu Ile Arg Ser Asp Arg
50

<210> 700

<211> 240

<212> PRT

<213> Homo sapiens

<400> 700

Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
1 5 10 15

Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
20 25 30

Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
35 40 45

Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
50 55 60

Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
65 70 75 80

Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
85 90 95

Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
100 105 110

Glu Glu Glu Glu Arg Val Asp Ile Leu Ile Asn Asn Ala Gly Val Met
115 120 125

Arg Cys Pro His Trp Thr Thr Glu Asp Gly Phe Glu Met Gln Phe Gly
130 135 140

Val Asn His Leu Gly His Phe Leu Leu Thr Asn Leu Leu Leu Asp Lys
145 150 155 160

Leu Lys Ala Ser Ala Pro Ser Arg Ile Ile Asn Leu Ser Ser Leu Ala
165 170 175

His Val Ala Gly His Ile Asp Phe Asp Asp Leu Asn Trp Gln Thr Arg
180 185 190

Lys Tyr Asn Thr Lys Ala Ala Tyr Cys Gln Ser Lys Leu Ala Ile Val
195 200 205

Leu Phe Thr Lys Glu Leu Ser Arg Arg Leu Gln Gly Thr Gly Ala Leu

210		215		220
Gly Ser Ala Ser Leu Leu Leu Tyr Ser Glu Pro Arg Ala Ala Phe Pro				
225		230	235	240

<210> 701
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (223)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (242)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 701
 Met Gly Ala Ala Val Phe Phe Gly Cys Thr Phe Val Ala Phe Gly Pro
 1 5 10 15
 Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu Arg Val
 20 25 30
 Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Leu
 35 40 45
 Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr Asp Arg Ser Asp
 50 55 60

Ala	Arg	Leu	Gln	Tyr	Gly	Leu	Leu	Ile	Phe	Gly	Ala	Ala	Val	Ser	Val	65	70	75	80
Leu	Leu	Gln	Glu	Val	Phe	Arg	Phe	Ala	Tyr	Tyr	Lys	Leu	Leu	Lys	Lys	85	90	95	
Ala	Asp	Glu	Gly	Leu	Ala	Ser	Leu	Ser	Glu	Asp	Gly	Arg	Ser	Pro	Ile	100	105	110	
Ser	Ile	Arg	Gln	Met	Ala	Tyr	Val	Ser	Gly	Leu	Ser	Phe	Gly	Ile	Ile	115	120	125	
Ser	Gly	Val	Phe	Ser	Val	Ile	Asn	Ile	Leu	Ala	Asp	Ala	Leu	Gly	Pro	130	135	140	
Gly	Val	Val	Gly	Ile	His	Gly	Asp	Ser	Pro	Tyr	Tyr	Phe	Leu	Thr	Ser	145	150	155	160
Ala	Phe	Leu	Thr	Ala	Ala	Ile	Ile	Leu	Leu	His	Thr	Phe	Trp	Gly	Val	165	170	175	
Val	Phe	Phe	Asp	Ala	Cys	Glu	Arg	Arg	Arg	Tyr	Trp	Ala	Leu	Gly	Leu	180	185	190	
Val	Val	Gly	Ser	His	Leu	Leu	Thr	Ser	Gly	Leu	Thr	Phe	Leu	Asn	Pro	195	200	205	
Trp	Tyr	Glu	Ala	Ser	Leu	Leu	Pro	Ser	Met	Gln	Ser	Leu	Xaa	Xaa	Trp	210	215	220	
Gly	Ser	Gly	Pro	Ser	Ser	Gln	Leu	Glu	Gly	Pro	Xaa	Lys	Tyr	Ser	Ala	225	230	235	240
Gln	Xaa	Leu	Xaa	Lys	Asp											245			

<210> 702

<211> 5

<212> PRT

<213> Homo sapiens

<400> 702

Gly	Glu	Ile	Phe	Leu
1				5

<210> 703

<211> 84

<212> PRT
<213> Homo sapiens

<400> 703

Lys	Met	His	Phe	Asn	Lys	Asn	Lys	Ser	Ile	Leu	Lys	Ser	Phe	Ser	Phe
1				5					10				15		

Val	Arg	Gly	Asn	Met	Asn	Glu	Ile	His	Ser	Tyr	Leu	Lys	Thr	Glu	Tyr
			20					25					30		

Phe	Thr	Ala	Lys	Thr	Leu	Asn	Ile	Ser	Arg	Ala	Tyr	His	Ile	Leu	Asn
		35					40					45			

Thr	Leu	Trp	Ser	Cys	Ser	Tyr	Phe	Asn	Ile	Pro	Gly	Ser	Gly	Gly	Gln
50						55					60				

Leu	Ala	Cys	Leu	Trp	Leu	Arg	Ile	Cys	Phe	His	Ala	Cys	Phe	Leu	Ser
65					70					75					80

Phe Phe Tyr Leu

<210> 704

<211> 5

<212> PRT

<213> Homo sapiens

<400> 704

Val	Leu	Leu	Ile	Leu
1				5

<210> 705

<211> 266

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (183)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 705
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15

 Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30

 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Xaa Pro Xaa Arg
 35 40 45

 Arg Pro Xaa Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60

 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80

 Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
 85 90 95

 Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
 100 105 110

 Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
 115 120 125

Val Lys Ile Glu Phe Xaa Leu Gln Thr His Ser Asp Lys Gln Ser Leu
 130 135 140
 Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
 145 150 155 160
 Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
 165 170 175
 Gly Ala Arg Gly Pro Thr Xaa Asn Ile Pro Lys Val Ala Ile Ile Val
 180 185 190
 Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
 195 200 205
 Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Xaa Ala Xaa
 210 215 220
 Met Glu Ser Leu Gln Asp Glu Trp Pro Ala Lys Pro Leu Asp Glu His
 225 230 235 240
 Val Phe Tyr Val Glu Thr Tyr Gly Val Ile Glu Lys Pro Ser Xaa Arg
 245 250 255
 Phe Gln Glu Thr Leu Leu Arg Ser Trp Asn
 260 265

<210> 706
 <211> 484
 <212> PRT
 <213> Homo sapiens

<400> 706
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30
 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Ser Pro Gly Arg
 35 40 45
 Arg Pro Gly Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60
 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80
 Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu

85								90				95			
Phe	Thr	Lys	Val	Lys	Thr	Phe	Val	Ser	Gln	Ile	Ile	Asp	Thr	Leu	Asp
			100					105					110		
Ile	Gly	Ala	Ala	Asp	Thr	Arg	Val	Ala	Val	Val	Asn	Tyr	Ala	Ser	Thr
		115					120					125			
Val	Lys	Ile	Glu	Phe	His	Leu	Gln	Thr	His	Ser	Asp	Lys	Gln	Ser	Leu
	130					135					140				
Lys	Gln	Ala	Val	Ala	Arg	Ile	Thr	Pro	Leu	Ser	Thr	Gly	Thr	Met	Ser
145					150					155					160
Gly	Leu	Ala	Ile	Gln	Thr	Ala	Met	Asp	Glu	Ala	Phe	Thr	Val	Glu	Ala
				165					170					175	
Gly	Ala	Arg	Gly	Pro	Thr	Ser	Asn	Ile	Pro	Lys	Val	Ala	Ile	Ile	Val
			180					185					190		
Thr	Asp	Gly	Arg	Pro	Gln	Asp	Gln	Val	Asn	Glu	Val	Ala	Ala	Arg	Ala
		195					200					205			
Arg	Ala	Ser	Gly	Ile	Glu	Leu	Tyr	Ala	Val	Gly	Val	Asp	Arg	Ala	Asp
	210					215						220			
Met	Glu	Ser	Leu	Lys	Met	Met	Ala	Ser	Glu	Pro	Leu	Asp	Glu	His	Val
225					230					235					240
Phe	Tyr	Val	Glu	Thr	Tyr	Gly	Val	Ile	Glu	Lys	Leu	Ser	Ser	Arg	Phe
				245					250					255	
Gln	Glu	Thr	Phe	Cys	Ala	Leu	Asp	Pro	Cys	Val	Leu	Gly	Thr	His	Arg
			260					265					270		
Cys	Gln	His	Val	Cys	Val	Ser	Asp	Gly	Glu	Gly	Lys	His	His	Cys	Glu
		275					280					285			
Cys	Ser	Gln	Gly	Tyr	Ser	Leu	Asn	Ala	Asp	Gln	Lys	Thr	Cys	Ser	Ala
		290				295					300				
Ile	Asp	Lys	Cys	Ala	Leu	Asn	Thr	His	Gly	Cys	Glu	His	Ile	Cys	Val
305					310					315					320
Asn	Asp	Arg	Thr	Gly	Ser	Tyr	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr
				325					330					335	
Leu	Asn	Gln	Asp	Arg	Lys	Thr	Cys	Ser	Ala	Gln	Asp	Gln	Cys	Ala	Phe
			340					345					350		
Gly	Thr	His	Gly	Cys	Gln	His	Ile	Cys	Val	Asn	Asp	Arg	Asp	Gly	Ser
		355					360					365			

His His Cys Glu Cys Tyr Glu Gly Tyr Thr Leu Asn Ala Asp Asn Lys
 370 375 380
 Thr Cys Ser Val Arg Ser Glu Cys Ala Gly Gly Ser His Gly Cys Gln
 385 390 395 400
 His Leu Cys Val Asp Asp Gly Pro Ala Ala Tyr His Cys Asp Cys Phe
 405 410 415
 Pro Gly Tyr Thr Leu Thr Glu Asp Arg Arg Thr Cys Ala Ala Ile Glu
 420 425 430
 Glu Ala Arg Arg Leu Val Ser Thr Glu Asp Ala Cys Gly Cys Glu Ala
 435 440 445
 Thr Leu Ala Phe Gln Glu Arg Ala Ser Ser Tyr Leu Gln Arg Leu Asn
 450 455 460
 Ala Lys Leu Asp Asp Ile Leu Gly Lys Leu Gln Ala Asp Ala Tyr Gly
 465 470 475 480
 Gln Ile His Arg

<210> 707
 <211> 368
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (310)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (365)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 707
 Met Gln Pro Ser Ser Leu Leu Pro Leu Ala Leu Cys Leu Leu Ala Ala
 1 5 10 15
 Pro Ala Ser Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Ile
 20 25 30
 Arg Arg Thr Met Ser Glu Val Gly Gly Ser Val Glu Asp Leu Ile Ala
 35 40 45

Lys Gly Pro Val Ser Lys Tyr Ser Gln Ala Val Pro Ala Val Thr Glu
 50 55 60
 Gly Pro Ile Pro Glu Val Leu Lys Asn Tyr Met Asp Ala Gln Tyr Tyr
 65 70 75 80
 Gly Glu Ile Gly Ile Gly Thr Pro Pro Gln Cys Phe Thr Val Val Phe
 85 90 95
 Asp Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Ile His Cys Lys Leu
 100 105 110
 Leu Asp Ile Ala Cys Trp Ile His His Lys Tyr Asn Ser Asp Lys Ser
 115 120 125
 Ser Thr Tyr Val Lys Asn Gly Thr Ser Phe Asp Ile His Tyr Gly Ser
 130 135 140
 Gly Ser Leu Ser Gly Tyr Leu Ser Gln Asp Thr Val Ser Val Pro Cys
 145 150 155 160
 Gln Ser Ala Ser Ser Ala Ser Ala Leu Gly Gly Val Lys Val Glu Arg
 165 170 175
 Gln Val Phe Gly Glu Ala Thr Lys Gln Pro Gly Ile Thr Phe Ile Ala
 180 185 190
 Ala Lys Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro Arg Ile Ser Val
 195 200 205
 Asn Asn Val Leu Pro Val Phe Asp Asn Leu Met Gln Gln Lys Leu Val
 210 215 220
 Asp Gln Asn Ile Phe Ser Phe Tyr Leu Ser Arg Asp Pro Asp Ala Gln
 225 230 235 240
 Pro Gly Gly Glu Leu Met Leu Gly Gly Thr Asp Ser Lys Tyr Tyr Lys
 245 250 255
 Gly Ser Leu Ser Tyr Leu Asn Val Thr Arg Lys Ala Tyr Trp Gln Val
 260 265 270
 His Leu Asp Gln Val Glu Val Ala Ser Gly Leu Thr Leu Cys Lys Glu
 275 280 285
 Gly Cys Glu Ala Ile Val Asp Thr Gly Thr Ser Leu Met Val Gly Pro
 290 295 300
 Val Asp Glu Val Arg Xaa Leu Gln Lys Ala Ile Gly Ala Val Pro Leu
 305 310 315 320
 Ile Gln Gly Glu Tyr Met Ile Pro Cys Glu Lys Val Ser Thr Leu Pro

<210> 709
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 709
 Met Gln Pro Pro Ser Leu Leu Leu Leu Val Leu Gly Leu Leu Ala Ala
 1 5 10 15

Pro Ala Ala Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Val
 20 25 30

Arg Arg Thr Met Ser Glu Leu Gly Gly Pro Val Glu Asp Leu Ile Ala
 35 40 45

Arg Xaa Pro Ile Ser Lys Tyr Ala Gln Gly Val Pro Ser Val Ala Gly
 50 55 60

Gly Pro Val Pro Glu Xaa Leu Lys Glu Thr Thr Trp Asn Ala Gln Ile
 65 70 75 80

Leu Arg Gly Lys Phe Xaa His Pro Gly Thr Pro Pro Arg Lys Leu Leu
 85 90 95

Pro Pro Val Xaa Pro Phe Glu Lys Arg Gly Ser Phe Pro Thr Leu Leu
 100 105 110

Gly Ser Pro
 115

<210> 710

<211> 410

<212> PRT

<213> Homo sapiens

<400> 710

Met Gln Pro Pro Ser Leu Leu Leu Leu Val Leu Gly Leu Leu Ala Ala
1 5 10 15

Pro Ala Ala Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Val
20 25 30

Arg Arg Thr Met Ser Glu Leu Gly Gly Pro Val Glu Asp Leu Ile Ala
35 40 45

Arg Gly Pro Ile Ser Lys Tyr Ala Gln Gly Val Pro Ser Val Ala Gly
50 55 60

Gly Pro Val Pro Glu Val Leu Arg Asn Tyr Met Asp Ala Gln Tyr Tyr
65 70 75 80

Gly Glu Ile Gly Ile Gly Thr Pro Pro Gln Cys Phe Thr Val Val Phe
85 90 95

Asp Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Ile His Cys Lys Leu
100 105 110

Leu Asp Ile Ala Cys Trp Ile His His Lys Tyr Asn Ser Gly Lys Ser
115 120 125

Ser Thr Tyr Val Lys Asn Gly Thr Ser Phe Asp Ile His Tyr Gly Ser
130 135 140

Gly Ser Leu Ser Gly Tyr Leu Ser Gln Asp Thr Val Ser Val Pro Cys
145 150 155 160

Lys Ser Gly Leu Ser Ser Leu Ala Gly Val Lys Val Glu Arg Gln Thr
165 170 175

Phe Gly Glu Ala Thr Lys Gln Pro Gly Ile Thr Phe Ile Ala Ala Lys
180 185 190

Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro Arg Ile Ser Val Asn Asn
195 200 205

Val Leu Pro Val Phe Asp Asn Leu Met Gln Gln Lys Leu Val Glu Lys
210 215 220

Asn Ile Phe Ser Phe Tyr Leu Asn Arg Asp Pro Gly Ala Gln Pro Gly
225 230 235 240

Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	Lys	Tyr	Tyr	Lys	Gly	Pro	245	250	255	
Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	Tyr	Trp	Gln	Val	His	Met	260	265	270	
Glu	Gln	Val	Asp	Val	Gly	Ser	Ser	Leu	Thr	Leu	Cys	Lys	Gly	Gly	Cys	275	280	285	
Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	Ile	Val	Gly	Pro	Val	Asp	290	295	300	
Glu	Val	Arg	Glu	Leu	Gln	Lys	Ala	Ile	Gly	Ala	Val	Pro	Leu	Ile	Gln	305	310	315	320
Gly	Glu	Tyr	Met	Ile	Pro	Cys	Glu	Lys	Val	Ser	Thr	Leu	Pro	Glu	Val	325	330	335	
Thr	Leu	Thr	Leu	Gly	Gly	Lys	Pro	Tyr	Lys	Leu	Ser	Ser	Glu	Asp	Tyr	340	345	350	
Thr	Leu	Lys	Val	Ser	Gln	Gly	Gly	Lys	Ser	Ile	Cys	Leu	Ser	Gly	Phe	355	360	365	
Met	Gly	Met	Asp	Ile	Pro	Pro	Pro	Gly	Gly	Pro	Leu	Trp	Ile	Leu	Gly	370	375	380	
Asp	Val	Phe	Ile	Gly	Arg	Tyr	Tyr	Thr	Val	Phe	Asp	Arg	Asp	Gln	Asn	385	390	395	400
Arg	Val	Gly	Leu	Ala	Glu	Ala	Thr	Arg	Leu							405	410		

<210> 711

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 711

Ala	Ala	Arg	Glu	Gly	Ala	Pro	Pro	Pro	Cys	Pro	Thr	Ser	Ala	Ile	Gly	
1				5					10					15		
Arg	Ala	Ser	Leu	Ser	Leu	Arg	Asp	Xaa	Gly	Arg	Gly	Leu	Arg	Asp	Ala	
			20					25					30			
Arg	Arg	Glu	Lys	Arg	Arg	Gly	Val	Arg	Gly	Gln	Asp	Gly	Gly	Asp	Tyr	
		35					40					45				
Gly	Trp	Cys	Gly	Pro	Ala	Arg	Gly	Arg	Gly	Val	Ala	Ala	Lys	Gly	Thr	
	50					55					60					
Ala	Glu	Gly	Pro	Thr	Gly	Glu	Asn	Arg	Ala	Gln	Gly	Xaa	Lys	Xaa	Gly	
65					70					75					80	
Val	Arg	Val	Ala	Val	Glu	Ala	Ser	Ser	Val	Arg	Gly	Pro	Gly	Arg	Ala	
				85					90					95		

<210> 712

<211> 453

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (432)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 712

Met	Arg	Met	Ala	Ser	Ile	Met	Val	Trp	Val	Met	Ile	Ile	Met	Val	Ile	
1				5					10					15		
Leu	Val	Leu	Gly	Tyr	Gly	Ile	Phe	His	Cys	Tyr	Met	Glu	Tyr	Ser	Arg	
			20					25					30			
Leu	Arg	Gly	Glu	Ala	Gly	Ser	Asp	Val	Ser	Leu	Val	Asp	Leu	Gly	Phe	
		35					40					45				
Gln	Thr	Asp	Phe	Arg	Val	Tyr	Leu	His	Leu	Arg	Gln	Thr	Trp	Leu	Ala	
	50					55					60					
Phe	Met	Ile	Ile	Leu	Ser	Ile	Leu	Glu	Val	Ile	Ile	Ile	Leu	Leu	Leu	

Lys Leu Leu Ile Val Gly Ser Val Gly Ile Leu Ala Phe Phe Phe Phe
 355 360 365
 Thr His Arg Ile Arg Ile Val Gln Asp Thr Ala Pro Pro Leu Asn Tyr
 370 375 380
 Tyr Trp Val Pro Ile Leu Thr Val Ile Val Gly Ser Tyr Leu Ile Ala
 385 390 395 400
 His Gly Phe Phe Ser Val Tyr Gly Met Cys Val Asp Thr Leu Phe Leu
 405 410 415
 Cys Phe Leu Glu Asp Leu Glu Arg Asn Asp Gly Ser Ala Glu Arg Xaa
 420 425 430
 Tyr Phe Met Ser Ser Thr Leu Lys Lys Leu Leu Asn Lys Thr Asn Lys
 435 440 445
 Lys Ala Ala Glu Ser
 450

<210> 713
 <211> 453
 <212> PRT
 <213> Homo sapiens

<400> 713
 Met Arg Met Ala Ser Ile Met Val Trp Val Met Ile Ile Met Val Ile
 1 5 10 15
 Leu Val Leu Gly Tyr Gly Ile Phe His Cys Tyr Met Glu Tyr Ser Arg
 20 25 30
 Leu Arg Gly Glu Ala Gly Ser Asp Val Ser Leu Val Asp Leu Gly Phe
 35 40 45
 Gln Thr Asp Phe Arg Val Tyr Leu His Leu Arg Gln Thr Trp Leu Ala
 50 55 60
 Phe Met Ile Ile Leu Ser Ile Leu Glu Val Ile Ile Ile Leu Leu Leu
 65 70 75 80
 Ile Phe Leu Arg Lys Arg Ile Leu Ile Ala Ile Ala Leu Ile Lys Glu
 85 90 95
 Ala Ser Arg Ala Val Gly Tyr Val Met Cys Ser Leu Leu Tyr Pro Leu
 100 105 110
 Val Thr Phe Phe Leu Leu Cys Leu Cys Ile Ala Tyr Trp Ala Ser Thr

115							120						125			
Ala	Val	Phe	Leu	Ser	Thr	Ser	Asn	Glu	Ala	Val	Tyr	Lys	Ile	Phe	Asp	
130						135					140					
Asp	Ser	Pro	Cys	Pro	Phe	Thr	Ala	Lys	Thr	Cys	Asn	Pro	Glu	Thr	Phe	
145					150					155					160	
Pro	Ser	Ser	Asn	Glu	Ser	Arg	Gln	Cys	Pro	Asn	Ala	Arg	Cys	Gln	Phe	
				165					170					175		
Ala	Phe	Tyr	Gly	Gly	Glu	Ser	Gly	Tyr	His	Arg	Ala	Leu	Leu	Gly	Leu	
			180					185					190			
Gln	Ile	Phe	Asn	Ala	Phe	Met	Phe	Phe	Trp	Leu	Ala	Asn	Phe	Val	Leu	
		195					200					205				
Ala	Leu	Gly	Gln	Val	Thr	Leu	Ala	Gly	Ala	Phe	Ala	Ser	Tyr	Tyr	Trp	
	210					215					220					
Ala	Leu	Arg	Lys	Pro	Asp	Asp	Leu	Pro	Ala	Phe	Pro	Leu	Phe	Ser	Ala	
225					230					235					240	
Phe	Gly	Arg	Ala	Leu	Arg	Tyr	His	Thr	Gly	Ser	Leu	Ala	Phe	Gly	Ala	
				245					250					255		
Leu	Ile	Leu	Ala	Ile	Val	Gln	Ile	Ile	Arg	Val	Ile	Leu	Glu	Tyr	Leu	
			260				265						270			
Asp	Gln	Arg	Leu	Lys	Ala	Ala	Glu	Asn	Lys	Phe	Ala	Lys	Cys	Leu	Met	
		275					280					285				
Thr	Cys	Leu	Lys	Cys	Cys	Phe	Trp	Cys	Leu	Glu	Lys	Phe	Ile	Lys	Phe	
	290					295					300					
Leu	Asn	Arg	Asn	Ala	Tyr	Ile	Met	Ile	Ala	Ile	Tyr	Gly	Thr	Asn	Phe	
305					310					315					320	
Cys	Thr	Ser	Ala	Arg	Asn	Ala	Phe	Phe	Leu	Leu	Met	Arg	Asn	Ile	Ile	
				325					330					335		
Arg	Val	Ala	Val	Leu	Asp	Lys	Val	Thr	Asp	Phe	Leu	Phe	Leu	Leu	Gly	
			340					345					350			
Lys	Leu	Leu	Ile	Val	Gly	Ser	Val	Gly	Ile	Leu	Ala	Phe	Phe	Phe	Phe	
		355					360					365				
Thr	His	Arg	Ile	Arg	Ile	Val	Gln	Asp	Thr	Ala	Pro	Pro	Leu	Asn	Tyr	
	370				375						380					
Tyr	Trp	Val	Pro	Ile	Leu	Thr	Val	Ile	Val	Gly	Ser	Tyr	Leu	Ile	Ala	
385					390					395					400	

His Gly Phe Phe Ser Val Tyr Gly Met Cys Val Asp Thr Leu Phe Leu
 405 410 415
 Cys Phe Leu Glu Asp Leu Glu Arg Asn Asp Gly Ser Ala Glu Arg Pro
 420 425 430
 Tyr Phe Met Ser Ser Thr Leu Lys Lys Leu Leu Asn Lys Thr Asn Lys
 435 440 445
 Lys Ala Ala Glu Ser
 450

<210> 714
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 714
 Gly Arg Pro Thr Arg Pro Leu Ser Ala Gln Asn Ala Ser Val Asn Phe
 1 5 10 15
 Trp Glu Ala Ser Thr Leu Ala Ala Gln Arg Glu Leu Ala Met Gln Phe
 20 25 30
 Leu Cys Pro Gly Asn His Cys Phe Pro Cys His Leu Leu Cys Ala Gln
 35 40 45
 Lys Arg Tyr Asn Ser His Gln Xaa Thr Pro Val Val Thr Ala His Leu
 50 55 60
 Val Cys Cys Val Phe Gln Gln Ser Val Leu Leu Gly Val Gln Leu Asn
 65 70 75 80
 Arg Leu Gly Val

<210> 715
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 715

Met Trp Trp Ala Leu Leu Ala Cys Arg Phe Cys Cys Pro Arg Arg Cys
 1 5 10 15

Ala Ser Ala Trp Gln Gly Leu Pro Arg Arg Gly Ala Leu Phe Ser Gly
 20 25 30

<210> 716

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 716

Met Trp Trp Ala Leu Leu Ala Leu Pro Phe Leu Leu Pro Thr Ala Leu
 1 5 10 15

Arg Leu Cys Leu Ala Gly Leu Pro His Xaa Phe Arg His Thr Asn Arg
 20 25 30

Met Val Pro Gln Trp His Gln Ser Gly Asp Arg Pro Leu His Ser His
 35 40 45

Pro His Ser Arg Phe
 50

<210> 717

<211> 744

<212> PRT

<213> Homo sapiens

<400> 717

Met Trp Trp Ala Leu Leu Ala Leu Pro Phe Leu Leu Pro Thr Ala Leu
 1 5 10 15

Arg Leu Cys Leu Ala Gly Pro Pro Pro Glu Arg Gly Pro Leu Phe Trp
 20 25 30

Leu Thr Arg Gln Asp Ser Arg Glu Ser Gly Ala Ala Asn Ala Thr Val
 35 40 45

Ser Pro Cys Glu Gly Leu Pro Ser Ala Gly Ala Ser Thr Leu Thr Leu

50					55					60					
Ala	Asn	Arg	Ser	Leu	Glu	Arg	Leu	Pro	Asn	Cys	Leu	Pro	Pro	Ala	Leu
65					70					75					80
Arg	Ser	Leu	Asp	Ala	Ser	His	Asn	Leu	Leu	Arg	Ala	Leu	Ser	Ala	Pro
				85					90					95	
Glu	Leu	Gly	Ala	Leu	Pro	Arg	Leu	Gln	Ala	Leu	Thr	Leu	Arg	His	Asn
			100					105					110		
Arg	Ile	Ala	Glu	Leu	Arg	Trp	Gly	Pro	Gly	Gly	Pro	Ala	Ala	Leu	His
		115					120					125			
Thr	Leu	Asp	Leu	Ser	Tyr	Asn	Gln	Leu	Ala	Thr	Leu	Pro	Pro	Cys	Ala
	130					135					140				
Gly	Pro	Ala	Leu	Pro	Gly	Leu	Arg	Ser	Leu	Ala	Leu	Ala	Gly	Asn	Pro
145						150					155				160
Leu	Gln	Ala	Leu	Gln	Pro	Gly	Ala	Phe	Ala	Cys	Leu	Pro	Ala	Leu	Arg
				165					170					175	
Leu	Leu	Asn	Leu	Ser	Gly	Thr	Ala	Leu	Gly	Arg	Asp	Leu	Gly	Ala	Gly
		180						185					190		
Ile	Ala	Asp	Gly	Ala	Phe	Ala	Gly	Ala	Gly	Gly	Ala	Leu	Glu	Val	Leu
		195					200					205			
Asp	Leu	Ser	Gly	Thr	Phe	Leu	Glu	Arg	Val	Arg	Ser	Gly	Trp	Ile	Arg
	210					215					220				
Asp	Leu	Pro	Lys	Leu	Thr	Ser	Leu	His	Leu	Arg	Lys	Met	Pro	Arg	Leu
225						230					235				240
Arg	Ile	Leu	Glu	Ala	Ala	Val	Phe	Lys	Met	Thr	Pro	Asn	Leu	Gln	Gln
				245					250					255	
Leu	Asp	Cys	Gln	Asp	Ser	Ser	Ala	Leu	Thr	Ser	Val	His	Thr	Gln	Leu
			260					265					270		
Phe	Gln	Asp	Thr	Pro	Arg	Leu	Gln	Val	Leu	Leu	Phe	Gln	Asn	Cys	Asn
		275					280					285			
Leu	Ser	Ser	Phe	Pro	Pro	Trp	Ser	Leu	His	Ser	Ser	Gln	Val	Leu	Ser
	290					295					300				
Ile	Ser	Leu	Phe	Gly	Asn	Pro	Leu	Ile	Cys	Ser	Cys	Glu	Leu	Ser	Trp
305						310					315				320
Leu	Leu	Arg	Asp	Ala	Lys	Arg	Thr	Val	Leu	Ser	Arg	Ala	Ala	Asp	Thr
				325					330					335	

Val	Cys	Val	Pro	Ala	Ser	Gly	Ser	Arg	Asp	Thr	Phe	Ser	Ala	Pro	Leu			
			340					345					350					
Ser	Leu	Ser	Gln	Leu	Pro	Thr	Val	Cys	His	Leu	Asp	Gln	Ser	Thr	Thr			
		355					360					365						
Leu	His	Ser	Ser	Ser	Pro	Gln	Ala	Val	Pro	Phe	Thr	His	Gln	Pro	Ser			
	370					375					380							
Thr	Gln	Gly	Leu	Thr	Thr	Pro	Trp	Ser	Thr	Ala	Pro	Ser	Thr	Arg	Pro			
385					390					395					400			
Val	Glu	Ala	Glu	Gln	Ser	Val	Thr	Lys	Pro	Leu	Ser	Phe	Pro	Thr	Asp			
				405					410					415				
Ser	Ala	Thr	Gln	Thr	Ala	Trp	Ser	His	Ser	Gly	Ile	Lys	Val	Gly	Thr			
			420					425					430					
Ala	Arg	Ser	Thr	Ala	Ile	Pro	Thr	Ala	Asp	Ser	Ser	Thr	Ser	Ser	Ala			
		435					440					445						
Pro	Arg	Arg	Ala	Ala	Asn	Thr	Ala	Gly	Ala	Glu	His	Gln	Glu	His	Ala			
	450					455					460							
Pro	Met	Leu	Val	His	Ala	Pro	His	Val	Ser	Ala	Ala	Ser	Thr	Pro	Ser			
465					470					475					480			
Ala	Ser	Lys	His	Pro	Gly	Leu	Phe	Pro	Thr	Pro	Trp	Ser	Gln	Val	Arg			
				485					490					495				
Thr	Pro	Gln	Pro	Asp	Tyr	Arg	Ala	Gln	Ala	Thr	Leu	Gln	Ala	Pro	His			
			500					505					510					
Pro	Ser	Pro	Ser	Glu	Gly	Ala	Ile	Pro	Val	Leu	Leu	Leu	Asp	Glu	Ser			
		515					520					525						
Ser	Glu	Glu	Glu	Glu	Glu	Gly	Gln	Lys	Glu	Glu	Val	Gly	Ala	Pro	Pro			
	530					535					540							
Gln	Asp	Val	Pro	Cys	Asp	Tyr	His	Pro	Cys	Lys	His	Leu	Gln	Thr	Pro			
545					550					555					560			
Cys	Ala	Glu	Leu	Gln	Arg	Arg	Ser	Arg	Cys	Arg	Cys	Pro	Gly	Leu	Ser			
				565					570					575				
Gly	Glu	Asp	Ser	Leu	Pro	Asp	Pro	Pro	Arg	Leu	Gln	Ala	Val	Thr	Glu			
			580					585					590					
Thr	Thr	Asp	Thr	Ser	Ala	Leu	Val	Arg	Trp	Cys	Ala	Pro	Asn	Ser	Val			
		595					600					605						

Val His Gly Tyr Gln Ile His Tyr Ser Pro Glu Gly Trp Ala Glu Asn
 610 615 620
 Gln Ser Val Thr Val Val Ala Asp Ile Tyr Ala Thr Ala Arg Gln His
 625 630 635 640
 Pro Leu Tyr Gly Leu Ser Pro Gly Thr Met Tyr Arg Val Cys Val Leu
 645 650 655
 Ala Ala Asn Arg Ala Gly Leu Ser Gln Pro Val Gln Ala Ser Gly Trp
 660 665 670
 Thr Arg Ala Cys Ala Ala Phe Thr Thr Lys Pro Ser Phe Val Leu Val
 675 680 685
 Phe Ala Gly Leu Cys Ala Ala Cys Gly Leu Leu Leu Val Thr Thr Leu
 690 695 700
 Leu Leu Ala Ala Cys Leu Cys Arg Arg Ser Arg Thr Val Arg Leu Gln
 705 710 715 720
 Arg Tyr Asn Thr His Leu Val Ala Tyr Lys Asn Pro Ala Phe Asp Tyr
 725 730 735
 Pro Leu Lys Leu Gln Thr Leu Ser
 740

<210> 718
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 718
 Ala Ile His Phe Thr Gln Gln Asp Met Pro Gln Ile Arg Arg Gln Ile
 1 5 10 15
 Tyr Lys Glu Leu Cys His Ala Asn Ser Leu Cys Glu Arg Arg Ile Pro
 20 25 30
 Gly Leu Lys Pro Met Val Lys Gly Met Gly Thr Trp Gly Thr Leu Pro
 35 40 45
 Ser Arg Glu Thr Pro Val Pro Leu Leu Pro Leu Pro Leu Pro Val Pro
 50 55 60
 Tyr Gly Phe Ser Tyr Leu Asn Val Leu Ile Asp Phe Cys Ile Phe Phe
 65 70 75 80
 Ser Leu Arg Glu Tyr Leu Leu Ile Phe Asp Val Gln Gly Val Ala Met
 85 90 95

Glu Gln Pro Leu Leu Pro Leu Leu Gly Arg Ser Leu Ala Leu Trp Pro
 100 105 110
 Gly Trp Gly Gly His Pro Pro Ser Arg Val Gln Gly Arg Gly Gln Glu
 115 120 125
 His Leu Cys Trp Gly Gly Gly Arg Ala Lys Gly Val Cys Leu Pro Asp
 130 135 140
 Ile Gln Thr Leu Phe Tyr Thr Tyr Ile
 145 150

<210> 719
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 719
 Met Arg Met Lys Met Arg Lys Arg Lys Trp Gln Leu Gly Gly Cys Pro
 1 5 10 15
 Pro Asp Gly Val Ser Trp Glu Leu Pro Ser Gly Leu Val Leu Pro Ala
 20 25 30
 Leu Leu Ile Glu Lys Pro Ala Pro Ser Ala Ala Ala Glu Pro
 35 40 45

<210> 720
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 720
 Gly Val Ser Trp Glu Gly Thr Pro Met Ser Pro Phe Pro Phe Met Gly
 1 5 10 15
 Leu Gly Ser Gly Val Arg Gly Ser His Ser Glu Phe Ala Val Thr Gln
 20 25 30
 Leu Leu Val Asp Leu Pro Thr Lys Phe Gly His Val Leu Leu Gly Glu
 35 40 45
 Ala Glu Trp Leu Arg Gln Gly Gln Met Leu Ala Val Leu Gln His Lys
 50 55 60
 Ser Thr Thr Val Thr Val Ile Ile Leu Pro Gly His Ile His Phe Glu
 65 70 75 80

Val Thr Phe Pro Ala Leu Val Glu Ile Gln Ser Val Phe Leu Tyr Arg
85 90 95

Leu Cys Leu

<210> 721
<211> 90
<212> PRT
<213> Homo sapiens

<400> 721
Met Asp Tyr Gly Gly Leu Gln Ser Leu Leu Trp Thr Leu Thr Leu Ala
1 5 10 15
Ser Ser Pro Val Leu Phe Pro Met Ala Leu Gly Asp Pro Pro Gly Gln
20 25 30
Lys Gly Ser Gly Val Trp His Pro Leu Met Pro Ala Ser Ser Ser Ala
35 40 45
Met Cys Ala Ala Ser Gly Thr Met Trp Pro Arg Ser Tyr Phe Arg Ala
50 55 60
Gln Ile Trp Ala Pro Gln Lys Arg Gln Ser Gly Pro Gly Arg Lys Pro
65 70 75 80
Ala Ser Thr Ala Pro Cys Gly Arg Ser Met
85 90

<210> 722
<211> 288
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

<222> (268)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (271)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (273)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (274)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (276)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (286)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 722
 Phe Ser Ser Ser Ala Cys Pro Ser Val Xaa Ser Leu Phe Val Xaa Leu
 1 5 10 15

 Gly Lys Asn Pro His Asp Ala Gln Gly His Pro Arg Ala Ser Glu Asp
 20 25 30

 Gln Pro Ser Ser Gly Lys Pro Val Thr Ser Tyr Pro Gly Glu Cys Gly
 35 40 45

 Phe Val Phe Thr Lys Glu Ala Ser Leu Glu Ile Arg Asp Met Leu Leu
 50 55 60

 Ala Asn Lys Val Pro Ala Ala Ala Arg Ala Gly Ala Ile Ala Pro Cys
 65 70 75 80

 Glu Val Thr Val Pro Ala Gln Asn Thr Gly Leu Gly Pro Glu Lys Thr
 85 90 95

 Ser Phe Phe Gln Ala Leu Gly Ile Thr Thr Lys Ile Ser Arg Gly Thr
 100 105 110

 Ile Glu Ile Leu Ser Asp Val Gln Leu Ile Lys Thr Gly Asp Lys Val
 115 120 125

Gly	Ala	Ser	Glu	Ala	Thr	Leu	Leu	Asn	Met	Leu	Asn	Ile	Ser	Pro	Phe
130						135					140				
Ser	Phe	Gly	Leu	Ile	Ile	Gln	Gln	Val	Phe	Asp	Asn	Gly	Ser	Ile	Tyr
145				150						155					160
Asn	Pro	Glu	Val	Leu	Asp	Ile	Thr	Glu	Glu	Thr	Leu	His	Ser	Arg	Phe
				165					170					175	
Leu	Glu	Gly	Val	Arg	Asn	Val	Ala	Ser	Val	Cys	Leu	Gln	Ile	Gly	Tyr
			180					185					190		
Pro	Thr	Val	Ala	Ser	Val	Pro	His	Ser	Ile	Ile	Asn	Gly	Tyr	Lys	Arg
		195					200					205			
Val	Leu	Ala	Leu	Ser	Val	Glu	Thr	Asp	Tyr	Thr	Phe	Pro	Leu	Ala	Glu
	210					215					220				
Lys	Val	Lys	Ala	Phe	Leu	Ala	Asp	Pro	Ser	Ala	Phe	Val	Ala	Ala	Ala
225					230					235					240
Pro	Val	Ala	Ala	Ala	Thr	Thr	Ala	Ala	Pro	Ala	Ala	Ala	Ala	Ala	Pro
				245					250					255	
Ala	Lys	Val	Glu	Ala	Lys	Glu	Glu	Ser	Glu	Glu	Xaa	Asp	Glu	Xaa	Ile
			260					265					270		
Xaa	Xaa	Ser	Xaa	Ile	Ser	Lys	Ser	Asn	Asn	Ser	Ser	Gln	Xaa	Ile	Val
		275					280					285			

<210> 723
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 723
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15

 Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30

 Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
 35 40 45

 Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu
 50 55 60

 Glu Arg Lys Ser Leu Leu Xaa Asn Leu Glu Glu Ala Lys Lys Lys Lys
 65 70 75 80

 Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala
 85 90 95

 Ser Pro Gly Val Phe Asn Xaa Thr Leu Asp Gly Pro Leu Gly Gly Xaa
 100 105 110

<210> 724
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 724
 Leu Leu Leu Val Gly Leu Gln Gln Leu Val Val Gln Ala Trp
 1 5 10

<210> 725
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 725
 Leu Leu Val Val Leu Leu Ser
 1 5

<210> 726
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 726
 Met Lys Thr Leu Leu Leu Leu Val Gly Leu Leu Leu Thr Trp Glu Asn
 1 5 10 15
 Gly Arg Val Leu Gly Asp Gln Met Val Ser Asp Thr Glu Leu Gln Glu
 20 25 30
 Met Ser Thr Glu Gly Ser Lys Tyr Ile Asn Arg Glu Ile Lys Asn Ala
 35 40 45
 Leu Lys Gly Val Lys Gln Ile Lys Thr Leu Ile Glu Gln Thr Asn Glu
 50 55 60
 Glu Arg Lys Ser Leu Leu Thr Asn Leu Glu Glu Ala Lys Lys Lys Lys
 65 70 75 80
 Glu Asp Ala Leu Asn Asp Thr Lys Asp Ser Glu Met Lys Leu Lys Ala
 85 90 95
 Ser Gln Gly Val Cys Asn Asp Thr Met Met Ala Leu Trp Glu Glu Cys
 100 105 110
 Lys Pro Cys Leu Lys Gln Thr Trp Gly Lys Gly Leu Arg Pro Ser Leu
 115 120 125
 Gln Lys Gln His Arg Ala Gly Trp Pro Pro Gly
 130 135

<210> 727
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 727

Met	Lys	Thr	Leu	Leu	Leu	Leu	Val	Gly	Leu	Leu	Leu	Thr	Trp	Glu	Asn
1				5					10					15	
Gly	Arg	Val	Leu	Gly	Asp	Gln	Met	Val	Ser	Asp	Thr	Glu	Leu	Gln	Glu
		20						25					30		
Met	Ser	Thr	Glu	Gly	Ser	Lys	Tyr	Ile	Asn	Arg	Glu	Ile	Lys	Asn	Ala
		35					40					45			
Leu	Lys	Gly	Val	Lys	Gln	Ile	Lys	Thr	Leu	Ile	Glu	Gln	Thr	Asn	Glu
	50					55					60				
Glu	Arg	Lys	Ser	Leu	Leu	Thr	Asn	Leu	Glu	Glu	Ala	Lys	Lys	Lys	Lys
65					70					75					80
Glu	Asp	Ala	Leu	Asn	Asp	Thr	Lys	Asp	Ser	Glu	Met	Lys	Leu	Lys	Ala
				85					90					95	
Ser	Pro	Gly	Val	Phe	Asn	Xaa	Thr	Leu	Asp	Gly	Pro	Leu	Gly	Gly	Xaa
		100						105					110		

<210> 728
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 728
 Met Leu Leu Leu Tyr Leu
 1 5

<210> 729
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 729
 Pro Gln Gly Pro Asn Asp Val Thr Ala Lys Leu Leu Cys Pro
 1 5 10

<210> 730
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 730

Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 15

Ala Ala Arg Pro Gly Pro Thr Ser Val Pro Ala Gly Ala Ala Ala Cys
20 25 30

Pro Cys Gly Gly Thr Ser Cys Arg Gly Trp Gly Ala Gly Pro Thr Pro
35 40 45

Gly Arg Thr Ser Thr Cys Pro His Leu Thr Cys Pro Arg Ala Gly Thr
50 55 60

Gly Ala Thr
65

<210> 731

<211> 129

<212> PRT

<213> Homo sapiens

<400> 731

Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 15

Ala Ala Arg Ala Gly Pro Tyr Phe Arg Pro Gly Arg Gly Cys Arg Leu
20 25 30

Pro Leu Arg Gly Asp Gln Leu Ser Gly Leu Gly Arg Arg Thr Tyr Pro
35 40 45

Arg Pro His Glu Tyr Leu Ser Pro Ser Asp Leu Pro Lys Ser Trp Asp
50 55 60

Trp Arg Asn Val Asn Gly Val Asn Tyr Ala Ser Ala Thr Arg Asn Gln
65 70 75 80

His Ile Pro Gln Tyr Cys Gly Ser Cys Trp Ala His Gly Ser Thr Ser
85 90 95

Ala Met Ala Gly Pro Asp Gln His Gln Glu Lys Gly Gly Val Ala Leu
100 105 110

His Pro Ala Val Arg Ala Ala Arg Pro Arg Leu Arg Gln Arg Gly Leu
115 120 125

Leu

<210> 732
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 732

Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr
1				5					10					15	
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met
			20					25					30		
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser
		35					40					45			
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn
	50					55					60				
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp
65					70					75					80
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn
			85						90					95	
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu
			100						105				110		
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile
		115					120					125			
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130					135					140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
			165						170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
		180						185					190		
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile
		195					200					205			

<210> 733
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 733

Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr
1				5				10						15	
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met
			20					25					30		
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser
		35					40					45			
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn
	50					55					60				
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp
65					70					75					80
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn
			85						90					95	
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu
			100						105				110		
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile
		115					120					125			
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala
	130					135					140				
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys
145					150					155					160
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr
			165						170					175	
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser
		180						185					190		
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile
		195					200					205			

<210> 734
 <211> 208

<212> PRT

<213> Homo sapiens

<400> 734

Met	Gly	Leu	Gly	Ala	Arg	Gly	Ala	Trp	Ala	Ala	Leu	Leu	Leu	Gly	Thr	
1				5				10						15		
Leu	Gln	Val	Leu	Ala	Leu	Leu	Gly	Ala	Ala	His	Glu	Ser	Ala	Ala	Met	
			20					25					30			
Ala	Ala	Ser	Ala	Asn	Ile	Glu	Asn	Ser	Gly	Leu	Pro	His	Asn	Ser	Ser	
		35					40					45				
Ala	Asn	Ser	Thr	Glu	Thr	Leu	Gln	His	Val	Pro	Ser	Asp	His	Thr	Asn	
	50					55					60					
Glu	Thr	Ser	Asn	Ser	Thr	Val	Lys	Pro	Pro	Thr	Ser	Val	Ala	Ser	Asp	
65					70					75					80	
Ser	Ser	Asn	Thr	Thr	Val	Thr	Thr	Met	Lys	Pro	Thr	Ala	Ala	Ser	Asn	
				85					90					95		
Thr	Thr	Thr	Pro	Gly	Met	Val	Ser	Thr	Asn	Met	Thr	Ser	Thr	Thr	Leu	
			100					105					110			
Lys	Ser	Thr	Pro	Lys	Thr	Thr	Ser	Val	Ser	Gln	Asn	Thr	Ser	Gln	Ile	
		115					120					125				
Ser	Thr	Ser	Thr	Met	Thr	Val	Thr	His	Asn	Ser	Ser	Val	Thr	Ser	Ala	
	130					135					140					
Ala	Ser	Ser	Val	Thr	Ile	Thr	Thr	Thr	Met	His	Ser	Glu	Ala	Lys	Lys	
145					150					155					160	
Gly	Ser	Lys	Phe	Asp	Thr	Gly	Ser	Phe	Val	Gly	Gly	Ile	Val	Leu	Thr	
				165					170					175		
Leu	Gly	Val	Leu	Ser	Ile	Leu	Tyr	Ile	Gly	Cys	Lys	Met	Tyr	Tyr	Ser	
		180						185					190			
Arg	Arg	Gly	Ile	Arg	Tyr	Arg	Thr	Ile	Asp	Glu	His	Asp	Ala	Ile	Ile	
		195					200					205				

<210> 735

<211> 208

<212> PRT

<213> Homo sapiens

<400> 735

Met Gly Leu Gly Ala Arg Gly Ala Trp Ala Ala Leu Leu Leu Gly Thr
1 5 10 15
Leu Gln Val Leu Ala Leu Leu Gly Ala Ala His Glu Ser Ala Ala Met
20 25 30
Ala Ala Ser Ala Asn Ile Glu Asn Ser Gly Leu Pro His Asn Ser Ser
35 40 45
Ala Asn Ser Thr Glu Thr Leu Gln His Val Pro Ser Asp His Thr Asn
50 55 60
Glu Thr Ser Asn Ser Thr Val Lys Pro Pro Thr Ser Val Ala Ser Asp
65 70 75 80
Ser Ser Asn Thr Thr Val Thr Thr Met Lys Pro Thr Ala Ala Ser Asn
85 90 95
Thr Thr Thr Pro Gly Met Val Ser Thr Asn Met Thr Ser Thr Thr Leu
100 105 110
Lys Ser Thr Pro Lys Thr Thr Ser Val Ser Gln Asn Thr Ser Gln Ile
115 120 125
Ser Thr Ser Thr Met Thr Val Thr His Asn Ser Ser Val Thr Ser Ala
130 135 140
Ala Ser Ser Val Thr Ile Thr Thr Thr Met His Ser Glu Ala Lys Lys
145 150 155 160
Gly Ser Lys Phe Asp Thr Gly Ser Phe Val Gly Gly Ile Val Leu Thr
165 170 175
Leu Gly Val Leu Ser Ile Leu Tyr Ile Gly Cys Lys Met Tyr Tyr Ser
180 185 190
Arg Arg Gly Ile Arg Tyr Arg Thr Ile Asp Glu His Asp Ala Ile Ile
195 200 205

<210> 736

<211> 365

<212> PRT

<213> Homo sapiens

<220>

<221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (201)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 736
 Met Phe Val Gly Leu Met Ala Phe Leu Leu Ser Phe Tyr Leu Ile Phe
 1 5 10 15

 Thr Asn Glu Gly Arg Ala Leu Lys Thr Ala Thr Ser Leu Ala Glu Gly
 20 25 30

 Leu Ser Leu Val Val Ser Pro Asp Ser Ile His Ser Val Ala Pro Glu
 35 40 45

 Asn Glu Gly Arg Leu Val His Ile Ile Gly Ala Leu Arg Thr Ser Lys
 50 55 60

 Leu Leu Ser Asp Pro Asn Tyr Gly Val His Leu Pro Ala Val Lys Leu
 65 70 75 80

 Arg Arg His Val Glu Met Tyr Gln Trp Val Glu Thr Glu Glu Ser Arg
 85 90 95

 Glu Tyr Thr Glu Asp Gly Gln Val Lys Lys Glu Thr Arg Tyr Ser Tyr
 100 105 110

 Asn Thr Glu Trp Arg Ser Glu Ile Ile Asn Ser Lys Asn Phe Asp Arg
 115 120 125

 Glu Ile Gly His Lys Asn Pro Ser Ala Met Ala Val Glu Ser Phe Xaa
 130 135 140

 Ala Thr Ala Pro Phe Val Gln Ile Gly Arg Phe Phe Leu Ser Ser Gly
 145 150 155 160

 Leu Ile Asp Lys Val Asp Asn Phe Lys Ser Leu Ser Leu Ser Lys Leu
 165 170 175

 Glu Asp Pro His Val Asp Ile Ile Arg Arg Gly Asp Phe Phe Tyr His
 180 185 190

 Ser Glu Asn Pro Lys Tyr Pro Glu Xaa Gly Asp Leu Arg Val Ser Phe
 195 200 205

 Ser Tyr Ala Gly Leu Ser Gly Asp Asp Pro Asp Leu Gly Pro Ala His
 210 215 220

Val Val Thr Val Ile Ala Arg Gln Arg Gly Asp Gln Leu Val Pro Phe
 225 230 235 240
 Ser Thr Lys Ser Gly Asp Thr Leu Leu Leu Leu His His Gly Asp Phe
 245 250 255
 Ser Ala Glu Glu Val Phe His Arg Glu Leu Arg Ser Asn Ser Met Lys
 260 265 270
 Thr Trp Gly Leu Arg Ala Ala Gly Trp Met Ala Met Phe Met Gly Leu
 275 280 285
 Asn Leu Met Thr Arg Ile Leu Tyr Thr Leu Val Asp Trp Phe Pro Val
 290 295 300
 Phe Arg Asp Leu Val Asn Ile Gly Leu Lys Ala Phe Ala Phe Cys Val
 305 310 315 320
 Ala Thr Ser Leu Thr Leu Leu Thr Val Ala Ala Gly Trp Leu Phe Tyr
 325 330 335
 Arg Pro Leu Trp Ala Leu Leu Ile Ala Gly Leu Ala Leu Val Pro Ile
 340 345 350
 Leu Val Ala Arg Thr Arg Val Pro Ala Lys Lys Leu Glu
 355 360 365

<210> 737
 <211> 365
 <212> PRT
 <213> Homo sapiens

<400> 737
 Met Phe Val Gly Leu Met Ala Phe Leu Leu Ser Phe Tyr Leu Ile Phe
 1 5 10 15
 Thr Asn Glu Gly Arg Ala Leu Lys Thr Ala Thr Ser Leu Ala Glu Gly
 20 25 30
 Leu Ser Leu Val Val Ser Pro Asp Ser Ile His Ser Val Ala Pro Glu
 35 40 45
 Asn Glu Gly Arg Leu Val His Ile Ile Gly Ala Leu Arg Thr Ser Lys
 50 55 60
 Leu Leu Ser Asp Pro Asn Tyr Gly Val His Leu Pro Ala Val Lys Leu
 65 70 75 80
 Arg Arg His Val Glu Met Tyr Gln Trp Val Glu Thr Glu Glu Ser Arg
 85 90 95

Glu	Tyr	Thr	Glu	Asp	Gly	Gln	Val	Lys	Lys	Glu	Thr	Arg	Tyr	Ser	Tyr		
			100					105					110				
Asn	Thr	Glu	Trp	Arg	Ser	Glu	Ile	Ile	Asn	Ser	Lys	Asn	Phe	Asp	Arg		
		115					120					125					
Glu	Ile	Gly	His	Lys	Asn	Pro	Ser	Ala	Met	Ala	Val	Glu	Ser	Phe	Met		
	130					135					140						
Ala	Thr	Ala	Pro	Phe	Val	Gln	Ile	Gly	Arg	Phe	Phe	Leu	Ser	Ser	Gly		
145					150					155					160		
Leu	Ile	Asp	Lys	Val	Asp	Asn	Phe	Lys	Ser	Leu	Ser	Leu	Ser	Lys	Leu		
				165					170					175			
Glu	Asp	Pro	His	Val	Asp	Ile	Ile	Arg	Arg	Gly	Asp	Phe	Phe	Tyr	His		
			180					185					190				
Ser	Glu	Asn	Pro	Lys	Tyr	Pro	Glu	Val	Gly	Asp	Leu	Arg	Val	Ser	Phe		
		195					200					205					
Ser	Tyr	Ala	Gly	Leu	Ser	Gly	Asp	Asp	Pro	Asp	Leu	Gly	Pro	Ala	His		
	210					215					220						
Val	Val	Thr	Val	Ile	Ala	Arg	Gln	Arg	Gly	Asp	Gln	Leu	Val	Pro	Phe		
225					230					235					240		
Ser	Thr	Lys	Ser	Gly	Asp	Thr	Leu	Leu	Leu	Leu	His	His	Gly	Asp	Phe		
				245					250					255			
Ser	Ala	Glu	Glu	Val	Phe	His	Arg	Glu	Leu	Arg	Ser	Asn	Ser	Met	Lys		
			260					265					270				
Thr	Trp	Gly	Leu	Arg	Ala	Ala	Gly	Trp	Met	Ala	Met	Phe	Met	Gly	Leu		
		275					280					285					
Asn	Leu	Met	Thr	Arg	Ile	Leu	Tyr	Thr	Leu	Val	Asp	Trp	Phe	Pro	Val		
	290					295					300						
Phe	Arg	Asp	Leu	Val	Asn	Ile	Gly	Leu	Lys	Ala	Phe	Ala	Phe	Cys	Val		
305					310					315					320		
Ala	Thr	Ser	Leu	Thr	Leu	Leu	Thr	Val	Ala	Ala	Gly	Trp	Leu	Phe	Tyr		
				325					330					335			
Arg	Pro	Leu	Trp	Ala	Leu	Leu	Ile	Ala	Gly	Leu	Ala	Leu	Val	Pro	Ile		
			340					345					350				
Leu	Val	Ala	Arg	Thr	Arg	Val	Pro	Ala	Lys	Lys	Leu	Glu					
		355					360					365					

<210> 738
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
 1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
 20 25 30

Gly Cys

<210> 739
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 739
 Met Leu Trp Pro Cys Cys Pro Ser Pro Leu Pro Ile Trp Ala Ser Pro
 1 5 10 15

Ser Pro Arg Leu Thr Trp Trp Cys Leu Leu Ser Cys Phe Gly Thr Gln
 20 25 30

Gly Cys

<210> 740
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 740
 Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
 1 5 10 15

Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
 20 25 30

Cys Arg Trp Thr Pro Cys Cys Pro Lys
 35 40

<210> 741
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 741
 Met Arg His Cys Cys Trp Leu Trp Ser Ser Cys Met Leu Trp Glu Pro
 1 5 10 15
 Ser Thr Thr Leu Gly Ser Ser Pro Arg Leu Val Glu Arg Trp Gln Ser
 20 25 30
 Cys Arg Trp Thr Pro Cys Cys Pro Lys
 35 40

<210> 742
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 742
 Val His Lys Ser Ala Gly Leu Leu Trp Glu Ala Thr Gly Glu Gly Pro
 1 5 10 15
 Gly Ser

<210> 743
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 743
 Val Glu Ile Val His Glu Leu Lys Gly Glu Gly Lys Ala Gln Arg Lys
 1 5 10 15
 Ile Ser Ala Ile His Ile Leu Asp Val Leu Val Leu Asn Gly Thr Asp
 20 25 30
 Val Arg Glu Gln His Phe Asn Gln Arg Ile Gln Leu Ala Glu Lys Phe
 35 40 45
 Val Lys Ala Val Ser Lys Pro Ser Arg Pro Asp Met Asn Pro Ile Arg
 50 55 60
 Val Lys Glu Val Tyr Arg Leu Glu Glu Met Glu Lys Ile Phe Val Arg
 65 70 75 80

Leu Glu Met Lys Ile Ile Lys Gly Ser Ser Gly Thr Pro Lys Leu Ser
 85 90 95
 Tyr Thr Gly Arg Asp Asp Arg His Phe Val Pro Met Gly Leu Tyr Ile
 100 105 110
 Val Arg Thr Val Asn Glu Pro Trp Thr Met Gly Phe Ser Lys Ser Phe
 115 120 125
 Lys Lys Lys Phe Phe Tyr Asn Lys Lys Thr Lys Asp Ser Thr Phe Asp
 130 135 140
 Leu Pro Ala Asp Ser Ile Ala Pro Phe His Ile Cys Tyr Tyr Gly Arg
 145 150 155 160
 Leu Phe Trp Glu Trp Gly Asp Gly Ile Arg Val His Asp Ser Gln Lys
 165 170 175
 Pro Gln Asp Gln Asp Lys Leu Ser Lys Glu Asp Val Leu Ser Phe Ile
 180 185 190
 Gln Met His Arg Ala
 195

<210> 744
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 744
 Asn
 1

<210> 745
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 745
 Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
 1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Xaa Ala Trp Val
50 55 60

<210> 746

<211> 61

<212> PRT

<213> Homo sapiens

<400> 746

Met His Ser Lys Gln Thr Leu Leu Trp Lys Glu Leu Leu Leu Ala Ile
1 5 10 15

Pro Cys Ile Ile Ala Ser Pro Arg Ser Leu Trp Pro Arg Trp Ala Ser
20 25 30

Gly Lys Val Lys Asp Trp Val Asn Thr Ala Arg Val Gly Arg Thr Ser
35 40 45

Leu Arg Leu Pro Val Arg Lys Val Glu Glu Ala Trp Val
50 55 60

<210> 747

<211> 53

<212> PRT

<213> Homo sapiens

<400> 747

Asn Tyr Asn Arg Gly Gly Thr Phe Leu Tyr Gln Lys Ala Lys Ile Lys
1 5 10 15

His His Val Leu Met Val Phe Tyr Lys Ser Thr Ser Asn Ser Thr Glu
20 25 30

Ser Leu Ile Trp Ser Leu Leu Asn Ser Trp Ser Asp Lys Val Thr Phe
35 40 45

Pro Lys Arg Val Arg
50

<210> 748

<211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 748
 Lys Ser Gln Met Gln Ser Phe Thr Ile Val Thr Ala Tyr Gly Arg Cys
 1 5 10 15
 Leu Ser Leu Thr Cys Leu Pro Thr Leu Asn Gln Met Leu Val Phe Lys
 20 25 30
 Ser Asn Xaa Ser Leu Val Ser Pro His Xaa Leu Thr Phe Xaa Asn Ile
 35 40 45
 Phe Ala Arg Phe Glu Asn Phe Gln
 50 55

<210> 749
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 749
 Phe Leu Val Cys Leu Leu Leu Gly Pro Arg Ser
 1 5 10

<210> 750
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 750
 Thr Val Ala Ile Tyr Asp

1

5

<210> 751

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 751

Ile	Asn	His	Val	Phe	Ile	Trp	Gly	Ser	Ile	Ala	Ile	Tyr	Phe	Ser	Ile
1				5					10					15	

Leu	Phe	Thr	Met	His	Ser	Asn	Gly	Ile	Phe	Gly	Ile	Phe	Pro	Asn	Gln
			20					25					30		

Phe	Pro	Phe	Val	Gly	Asn	Ala	Arg	His	Ser	Leu	Thr	Xaa	Lys
		35					40					45	

<210> 752

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (94)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 752

Met	Asn	Thr	Leu	Val	Leu	Trp	Ile	Phe	Gly	Phe	Leu	Ile	Cys	Leu	Gly
1				5					10					15	

Ile	Ile	Leu	Ala	Ile	Gly	Asn	Ser	Ile	Trp	Glu	Ser	Gln	Thr	Gly	Asp
		20						25					30		

Gln	Phe	Arg	Thr	Phe	Leu	Phe	Trp	Asn	Glu	Gly	Glu	Lys	Ser	Ser	Val
		35					40					45			

Phe	Ser	Gly	Phe	Leu	Thr	Phe	Trp	Ser	Tyr	Ile	Ile	Ile	Leu	Asn	Thr
	50					55					60				

Val	Val	Pro	Ile	Ser	Leu	Tyr	Val	Ser	Val	Glu	Val	Ile	Arg	Leu	Gly
65					70					75				80	

His Ser Tyr Phe Ile Asn Trp Asp Arg Lys Met Tyr Tyr Xaa Arg Lys
85 90 95

Ala Ile Pro Ala Val Ala Arg Thr Thr Thr Leu Asn Glu
100 105

<210> 753

<211> 937

<212> PRT

<213> Homo sapiens

<400> 753

Met Gln Asn Ser Gly Lys Thr Lys Phe Lys Arg Thr Ser Ile Asp Arg
1 5 10 15

Leu Met Asn Thr Leu Val Leu Trp Ile Phe Gly Phe Leu Ile Cys Leu
20 25 30

Gly Ile Ile Leu Ala Ile Gly Asn Ser Ile Trp Glu Ser Gln Thr Gly
35 40 45

Asp Gln Phe Arg Thr Phe Leu Phe Trp Asn Glu Gly Glu Lys Ser Ser
50 55 60

Val Phe Ser Gly Phe Leu Thr Phe Trp Ser Tyr Ile Ile Ile Leu Asn
65 70 75 80

Thr Val Val Pro Ile Ser Leu Tyr Val Ser Val Glu Val Ile Arg Leu
85 90 95

Gly His Ser Tyr Phe Ile Asn Trp Asp Arg Lys Met Tyr Tyr Ser Arg
100 105 110

Lys Ala Ile Pro Ala Val Ala Arg Thr Thr Thr Leu Asn Glu Glu Leu
115 120 125

Gly Gln Ile Glu Tyr Ile Phe Ser Asp Lys Thr Gly Thr Leu Thr Gln
130 135 140

Asn Ile Met Thr Phe Lys Arg Cys Ser Ile Asn Gly Arg Ile Tyr Gly
145 150 155 160

Glu Val His Asp Asp Leu Asp Gln Lys Thr Glu Ile Thr Gln Glu Lys
165 170 175

Glu Pro Val Asp Phe Ser Val Lys Ser Gln Ala Asp Arg Glu Phe Gln
180 185 190

Phe Phe Asp His Asn Leu Met Glu Ser Ile Lys Met Gly Asp Pro Lys
195 200 205

Val	His	Glu	Phe	Leu	Arg	Leu	Leu	Ala	Leu	Cys	His	Thr	Val	Met	Ser	
210						215				220						
Glu	Glu	Asn	Ser	Ala	Gly	Glu	Leu	Ile	Tyr	Gln	Val	Gln	Ser	Pro	Asp	
225					230					235					240	
Glu	Gly	Ala	Leu	Val	Thr	Ala	Ala	Arg	Asn	Phe	Gly	Phe	Ile	Phe	Lys	
				245					250					255		
Ser	Arg	Thr	Pro	Glu	Thr	Ile	Thr	Ile	Glu	Glu	Leu	Gly	Thr	Leu	Val	
			260					265					270			
Thr	Tyr	Gln	Leu	Leu	Ala	Phe	Leu	Asp	Phe	Asn	Asn	Thr	Arg	Lys	Arg	
		275					280					285				
Met	Ser	Val	Ile	Val	Arg	Asn	Pro	Glu	Gly	Gln	Ile	Lys	Leu	Tyr	Ser	
		290				295					300					
Lys	Gly	Ala	Asp	Thr	Ile	Leu	Phe	Glu	Lys	Leu	His	Pro	Ser	Asn	Glu	
305					310					315					320	
Val	Leu	Leu	Ser	Leu	Thr	Ser	Asp	His	Leu	Ser	Glu	Phe	Ala	Gly	Glu	
				325					330					335		
Gly	Leu	Arg	Thr	Leu	Ala	Ile	Ala	Tyr	Arg	Asp	Leu	Asp	Asp	Lys	Tyr	
			340					345					350			
Phe	Lys	Glu	Trp	His	Lys	Met	Leu	Glu	Asp	Ala	Asn	Val	Ala	Thr	Glu	
		355					360					365				
Glu	Arg	Asp	Glu	Arg	Ile	Ala	Gly	Leu	Tyr	Glu	Glu	Ile	Glu	Arg	Asp	
		370				375					380					
Leu	Met	Leu	Leu	Gly	Ala	Thr	Ala	Val	Glu	Asp	Lys	Leu	Gln	Glu	Gly	
385					390					395					400	
Val	Ile	Glu	Thr	Val	Thr	Ser	Leu	Ser	Leu	Ala	Asn	Ile	Lys	Ile	Trp	
				405					410					415		
Val	Leu	Thr	Gly	Asp	Lys	Gln	Glu	Thr	Ala	Ile	Asn	Ile	Gly	Tyr	Ala	
			420					425					430			
Cys	Asn	Met	Leu	Thr	Asp	Asp	Met	Asn	Asp	Val	Phe	Val	Ile	Ala	Gly	
		435					440					445				
Asn	Asn	Ala	Val	Glu	Val	Arg	Glu	Glu	Leu	Arg	Lys	Ala	Lys	Gln	Asn	
		450				455					460					
Leu	Phe	Gly	Gln	Asn	Arg	Asn	Phe	Ser	Asn	Gly	His	Val	Val	Cys	Glu	
465					470					475					480	

Lys	Lys	Gln	Gln	Leu	Glu	Leu	Asp	Ser	Ile	Val	Glu	Glu	Thr	Ile	Thr	485	490	495	
Gly	Asp	Tyr	Ala	Leu	Ile	Ile	Asn	Gly	His	Ser	Leu	Ala	His	Ala	Leu	500	505	510	
Glu	Ser	Asp	Val	Lys	Asn	Asp	Leu	Leu	Glu	Leu	Ala	Cys	Met	Cys	Lys	515	520	525	
Thr	Val	Ile	Cys	Cys	Arg	Val	Thr	Pro	Leu	Gln	Lys	Ala	Gln	Val	Val	530	535	540	
Glu	Leu	Val	Lys	Lys	Tyr	Arg	Asn	Ala	Val	Thr	Leu	Ala	Ile	Gly	Asp	545	550	555	560
Gly	Ala	Asn	Asp	Val	Ser	Met	Ile	Lys	Ser	Ala	His	Ile	Gly	Val	Gly	565	570	575	
Ile	Ser	Gly	Gln	Glu	Gly	Leu	Gln	Ala	Val	Leu	Ala	Ser	Asp	Tyr	Ser	580	585	590	
Phe	Ala	Gln	Phe	Arg	Tyr	Leu	Gln	Arg	Leu	Leu	Leu	Val	His	Gly	Arg	595	600	605	
Trp	Ser	Tyr	Phe	Arg	Met	Cys	Lys	Phe	Leu	Cys	Tyr	Phe	Phe	Tyr	Lys	610	615	620	
Asn	Phe	Ala	Phe	Thr	Leu	Val	His	Phe	Trp	Phe	Gly	Phe	Phe	Cys	Gly	625	630	635	640
Phe	Ser	Ala	Gln	Thr	Val	Tyr	Asp	Gln	Trp	Phe	Ile	Thr	Leu	Phe	Asn	645	650	655	
Ile	Val	Tyr	Thr	Ser	Leu	Pro	Val	Leu	Ala	Met	Gly	Ile	Phe	Asp	Gln	660	665	670	
Asp	Val	Ser	Asp	Gln	Asn	Ser	Val	Asp	Cys	Pro	Gln	Leu	Tyr	Lys	Pro	675	680	685	
Gly	Gln	Leu	Asn	Leu	Leu	Phe	Asn	Lys	Arg	Lys	Phe	Phe	Ile	Cys	Val	690	695	700	
Met	His	Gly	Ile	Tyr	Thr	Ser	Leu	Val	Leu	Phe	Phe	Ile	Pro	Tyr	Gly	705	710	715	720
Ala	Phe	Tyr	Asn	Val	Ala	Gly	Glu	Asp	Gly	Gln	His	Ile	Ala	Asp	Tyr	725	730	735	
Gln	Ser	Phe	Ala	Val	Thr	Met	Ala	Thr	Ser	Leu	Val	Ile	Val	Val	Ser	740	745	750	
Val	Gln	Ile	Ala	Leu	Asp	Thr	Ser	Tyr	Trp	Thr	Phe	Ile	Asn	His	Val				

755							760									765
Phe	Ile	Trp	Gly	Ser	Ile	Ala	Ile	Tyr	Phe	Ser	Ile	Leu	Phe	Thr	Met	
770						775					780					
His	Ser	Asn	Gly	Ile	Phe	Gly	Ile	Phe	Pro	Asn	Gln	Phe	Pro	Phe	Val	
785					790					795					800	
Gly	Asn	Ala	Arg	His	Ser	Leu	Thr	Gln	Lys	Cys	Ile	Trp	Leu	Val	Ile	
				805					810					815		
Leu	Leu	Thr	Thr	Val	Ala	Ser	Val	Met	Pro	Val	Val	Ala	Phe	Arg	Phe	
			820					825					830			
Leu	Lys	Val	Asp	Leu	Tyr	Pro	Thr	Leu	Ser	Asp	Gln	Ile	Arg	Arg	Trp	
	835						840					845				
Gln	Lys	Ala	Gln	Lys	Lys	Ala	Arg	Pro	Pro	Ser	Ser	Arg	Arg	Pro	Arg	
	850					855					860					
Thr	Arg	Arg	Ser	Ser	Ser	Arg	Arg	Ser	Gly	Tyr	Ala	Phe	Ala	His	Gln	
865					870					875					880	
Glu	Gly	Tyr	Gly	Glu	Leu	Ile	Thr	Ser	Gly	Lys	Asn	Met	Arg	Ala	Lys	
			885						890					895		
Asn	Pro	Pro	Pro	Thr	Ser	Gly	Leu	Glu	Lys	Thr	His	Tyr	Asn	Ser	Thr	
			900					905					910			
Ser	Trp	Ile	Glu	Asn	Leu	Cys	Lys	Lys	Thr	Thr	Asp	Thr	Val	Ser	Ser	
	915						920					925				
Phe	Ser	Gln	Asp	Lys	Thr	Val	Lys	Leu								
930						935										

<210> 754

<211> 45

<212> PRT

<213> Homo sapiens

<400> 754

Ile	Asn	Ser	Cys	Asn	Ile	Lys	Gly	Leu	Lys	Cys	Phe	Tyr	Ile	Val	Phe
1				5					10					15	

Gly	Cys	Leu	Leu	Leu	Val	Pro	Ile	Ser	Asp	Lys	Leu	Tyr	Gly	Leu	Leu
			20					25					30		

His	Leu	Ile	Pro	Phe	Ile	Trp	Arg	Val	Leu	Leu	Pro	Cys
	35					40						45

<210> 755
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 755
 Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
 1 5 10 15
 Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
 20 25 30
 Phe Asp Gly Phe Arg Ala Asp Tyr Leu Lys Asn Tyr Glu Phe Pro His
 35 40 45
 Leu Gln Asn Phe Ile Lys Glu Gly Val Leu Val Glu His Val Lys Asn
 50 55 60
 Val Phe Ile Thr Lys Thr Phe Pro Asn His Tyr Ser Ile Val Thr Gly
 65 70 75 80
 Leu Tyr Glu Glu Ser His Gly Ile Val Ala Asn Ser Met Tyr Asp Ala
 85 90 95
 Val Thr Lys Lys His Phe Ser Asp Ser Asn Asp Lys Asp Pro Phe Trp
 100 105 110
 Trp Asn Glu Ala Val Pro Ile Trp Val Thr Asn Gln Leu Gln Glu Thr
 115 120 125
 Asp Gln Val Ala Ala Ala Met Trp Ala
 130 135

<210> 756
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 756
 Lys Met Met Met Ile Leu
 1 5

<210> 757
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 757
 Ser Phe Ser Phe Lys Val Val Asp Val Phe Glu Val Ser Lys Ile Val
 1 5 10 15
 Ala Glu Tyr Phe Ile Leu Gly Pro Cys Asn Gly Val Ser Phe Asn Asp
 20 25 30
 Cys Ile Ile Val Ile Gly Gly Tyr Glu Phe Gln Lys Ser Ile Leu Gly
 35 40 45
 Ile Gln Leu Met Ser Gly Phe Tyr Ile Gly Trp Asn Arg Lys Val Cys
 50 55 60
 Pro Val Ser Ile Leu Thr Leu Ser Thr Arg His Leu Pro Ile Cys Leu
 65 70 75 80
 Ser Leu Arg Ser Gln Asn Ile Asn Ser Asn Cys Lys Leu Ser Lys Asn
 85 90 95
 Xaa Lys Ser Ile Cys
 100

<210> 758
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 758
 Leu Leu Thr Ile Leu Leu Trp Ser Ala Leu Ser Tyr
 1 5 10

<210> 759
 <211> 453
 <212> PRT
 <213> Homo sapiens

<400> 759
 Met Lys Leu Leu Val Ile Leu Leu Phe Ser Gly Leu Ile Thr Gly Phe
 1 5 10 15
 Arg Ser Asp Ser Ser Ser Ser Leu Pro Pro Lys Leu Leu Leu Val Ser
 20 25 30

Phe	Asp	Gly	Phe	Arg	Ala	Asp	Tyr	Leu	Lys	Asn	Tyr	Glu	Phe	Pro	His		
		35					40					45					
Leu	Gln	Asn	Phe	Ile	Lys	Glu	Gly	Val	Leu	Val	Glu	His	Val	Lys	Asn		
	50					55					60						
Val	Phe	Ile	Thr	Lys	Thr	Phe	Pro	Asn	His	Tyr	Ser	Ile	Val	Thr	Gly		
	65				70					75					80		
Leu	Tyr	Glu	Glu	Ser	His	Gly	Ile	Val	Ala	Asn	Ser	Met	Tyr	Asp	Ala		
				85					90						95		
Val	Thr	Lys	Lys	His	Phe	Ser	Asp	Ser	Asn	Asp	Lys	Asp	Pro	Phe	Trp		
			100					105					110				
Trp	Asn	Glu	Ala	Val	Pro	Ile	Trp	Val	Thr	Asn	Gln	Leu	Gln	Glu	Asn		
	115						120					125					
Arg	Ser	Ser	Ala	Ala	Ala	Met	Trp	Pro	Gly	Thr	Asp	Val	Pro	Ile	His		
	130					135					140						
Asp	Thr	Ile	Ser	Ser	Tyr	Phe	Met	Asn	Tyr	Asn	Ser	Ser	Val	Ser	Phe		
	145				150					155					160		
Glu	Glu	Arg	Leu	Asn	Asn	Ile	Thr	Met	Trp	Leu	Asn	Asn	Ser	Asn	Pro		
				165					170						175		
Pro	Val	Thr	Phe	Ala	Thr	Leu	Tyr	Trp	Glu	Glu	Pro	Asp	Ala	Ser	Gly		
			180					185					190				
His	Lys	Tyr	Gly	Pro	Glu	Asp	Lys	Glu	Asn	Met	Ser	Arg	Val	Leu	Lys		
		195					200					205					
Lys	Ile	Asp	Asp	Leu	Ile	Gly	Asp	Leu	Val	Gln	Arg	Leu	Lys	Met	Leu		
	210					215					220						
Gly	Leu	Trp	Glu	Asn	Leu	Asn	Val	Ile	Ile	Thr	Ser	Asp	His	Gly	Met		
	225				230					235					240		
Thr	Gln	Cys	Ser	Gln	Asp	Arg	Leu	Ile	Asn	Leu	Asp	Ser	Cys	Ile	Asp		
				245					250					255			
His	Ser	Tyr	Tyr	Thr	Leu	Ile	Asp	Leu	Ser	Pro	Val	Ala	Ala	Ile	Leu		
			260					265					270				
Pro	Lys	Ile	Asn	Arg	Thr	Glu	Val	Tyr	Asn	Lys	Leu	Lys	Asn	Cys	Ser		
		275					280					285					
Pro	His	Met	Asn	Val	Tyr	Leu	Lys	Glu	Asp	Ile	Pro	Asn	Arg	Phe	Tyr		
	290					295					300						

Tyr Gln His Asn Asp Arg Ile Gln Pro Ile Ile Leu Val Ala Asp Glu
 305 310 315 320
 Gly Trp Thr Ile Val Leu Asn Glu Ser Ser Gln Lys Leu Gly Asp His
 325 330 335
 Gly Tyr Asp Asn Ser Leu Pro Ser Met His Pro Phe Leu Ala Ala His
 340 345 350
 Gly Pro Ala Phe His Lys Gly Tyr Lys His Ser Thr Ile Asn Ile Val
 355 360 365
 Asp Ile Tyr Pro Met Met Cys His Ile Leu Gly Leu Lys Pro His Pro
 370 375 380
 Asn Asn Gly Thr Phe Gly His Thr Lys Cys Leu Leu Val Asp Gln Trp
 385 390 395 400
 Cys Ile Asn Leu Pro Glu Ala Ile Ala Ile Val Ile Gly Ser Leu Leu
 405 410 415
 Val Leu Thr Met Leu Thr Cys Leu Ile Ile Ile Met Gln Asn Arg Leu
 420 425 430
 Ser Val Pro Arg Pro Phe Ser Arg Leu Gln Leu Gln Glu Asp Asp Asp
 435 440 445
 Asp Pro Leu Ile Gly
 450

<210> 760
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 760
 Trp His Ile Leu Gln Met Lys Gly Leu Thr Trp
 1 5 10

<210> 761
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 761
 Phe Ala Ile Phe Ile Tyr Phe Ser Val Ser Tyr Ile Ala Asp Gly Asn
 1 5 10 15

Glu	Phe	Glu	Val	Pro	Arg	Ala	Glu	Asp	Pro	Cys	Leu	Leu	Cys	Phe
			20					25					30	

<210> 762

<211> 245

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 762

Met	Arg	Ile	Phe	Ala	Val	Phe	Ile	Phe	Met	Thr	Tyr	Trp	His	Leu	Leu
1				5					10					15	

Asn	Ala	Phe	Thr	Val	Thr	Val	Pro	Lys	Asp	Leu	Tyr	Val	Val	Glu	Tyr
			20					25					30		

Gly	Ser	Asn	Met	Thr	Ile	Glu	Cys	Lys	Phe	Pro	Val	Glu	Lys	Gln	Leu
		35					40					45			

Asp	Leu	Ala	Ala	Leu	Ile	Val	Tyr	Trp	Glu	Met	Glu	Asp	Lys	Asn	Ile
50					55						60				

Ile	Gln	Phe	Val	His	Gly	Glu	Glu	Asp	Leu	Lys	Val	Gln	His	Ser	Ser
65					70					75					80

Tyr	Arg	Gln	Arg	Ala	Arg	Leu	Leu	Lys	Asp	Gln	Leu	Ser	Leu	Gly	Asn
				85					90					95	

Ala	Ala	Leu	Gln	Ile	Thr	Asp	Val	Lys	Leu	Gln	Asp	Ala	Xaa	Val	Tyr
			100					105					110		

Arg	Cys	Met	Ile	Ser	Tyr	Gly	Gly	Ala	Asp	Tyr	Lys	Arg	Ile	Thr	Val
		115					120					125			

Lys	Val	Asn	Ala	Pro	Tyr	Asn	Lys	Ile	Asn	Gln	Arg	Ile	Leu	Val	Val
	130					135					140				

Asp	Pro	Val	Thr	Ser	Glu	His	Glu	Leu	Thr	Cys	Gln	Ala	Glu	Gly	Tyr
145					150					155					160

Pro	Lys	Ala	Glu	Val	Ile	Trp	Thr	Ser	Ser	Asp	His	Gln	Val	Leu	Ser
				165					170					175	

Gly	Lys	Thr	Thr	Thr	Asn	Ser	Lys	Arg	Glu	Glu	Lys	Leu	Phe	Asn	
			180				185					190			

Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
 195 200 205

Cys Thr Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu
 210 215 220

Val Ile Pro Gly Asn Ile Leu Asn Val Ser Ile Lys Ile Cys Leu Thr
 225 230 235 240

Leu Ser Pro Ser Thr
 245

<210> 763

<211> 290

<212> PRT

<213> Homo sapiens

<400> 763

Met Arg Ile Phe Ala Val Phe Ile Phe Met Thr Tyr Trp His Leu Leu
 1 5 10 15

Asn Ala Phe Thr Val Thr Val Pro Lys Asp Leu Tyr Val Val Glu Tyr
 20 25 30

Gly Ser Asn Met Thr Ile Glu Cys Lys Phe Pro Val Glu Lys Gln Leu
 35 40 45

Asp Leu Ala Ala Leu Ile Val Tyr Trp Glu Met Glu Asp Lys Asn Ile
 50 55 60

Ile Gln Phe Val His Gly Glu Glu Asp Leu Lys Val Gln His Ser Ser
 65 70 75 80

Tyr Arg Gln Arg Ala Arg Leu Leu Lys Asp Gln Leu Ser Leu Gly Asn
 85 90 95

Ala Ala Leu Gln Ile Thr Asp Val Lys Leu Gln Asp Ala Gly Val Tyr
 100 105 110

Arg Cys Met Ile Ser Tyr Gly Gly Ala Asp Tyr Lys Arg Ile Thr Val
 115 120 125

Lys Val Asn Ala Pro Tyr Asn Lys Ile Asn Gln Arg Ile Leu Val Val
 130 135 140

Asp Pro Val Thr Ser Glu His Glu Leu Thr Cys Gln Ala Glu Gly Tyr
 145 150 155 160

Pro Lys Ala Glu Val Ile Trp Thr Ser Ser Asp His Gln Val Leu Ser
 165 170 175

Gly Lys Thr Thr Thr Thr Asn Ser Lys Arg Glu Glu Lys Leu Phe Asn
 180 185 190
 Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
 195 200 205
 Cys Thr Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu
 210 215 220
 Val Ile Pro Glu Leu Pro Leu Ala His Pro Pro Asn Glu Arg Thr His
 225 230 235 240
 Leu Val Ile Leu Gly Ala Ile Leu Leu Cys Leu Gly Val Ala Leu Thr
 245 250 255
 Phe Ile Phe Arg Leu Arg Lys Gly Arg Met Met Asp Val Lys Lys Cys
 260 265 270
 Gly Ile Gln Asp Thr Asn Ser Lys Lys Gln Ser Asp Thr His Leu Glu
 275 280 285
 Glu Thr
 290

<210> 764

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 764

Ser Val Ser Lys Lys Lys Lys Lys Lys Lys Val Phe Cys Ile Leu Tyr
 1 5 10 15
 Lys Leu Val Val Val Gly Ser Arg Gly Leu Ser Thr Asp Asp Leu Met
 20 25 30
 Arg Ser Val Ser Arg Phe Ala Xaa Ser Gln Thr Phe Val Leu Leu Asn
 35 40 45
 Ser Ser Ser Phe Phe Ser Phe Leu Glu Thr Glu Ser Ser Ser Val Thr
 50 55 60
 Arg Leu Glu Cys Ser Gly Thr Ile Lys Ala Tyr Cys Ser Leu Tyr Leu
 65 70 75 80

Pro Gly Ser Arg Asn Pro Pro Thr Leu Ala Ser
85 90

<210> 765
<211> 53
<212> PRT
<213> Homo sapiens

<400> 765
Met Val Tyr Cys Val Val Ser Pro Arg Arg Ala Thr Leu Phe Cys Val
1 5 10 15
Leu Leu Leu Gly Thr Arg Cys Glu Ile Ile Ser Val Arg Ser Ser Phe
20 25 30
Gly Glu Tyr Asp Lys Ile Asn Ser Ile Leu Lys Gly Leu Leu Lys Ile
35 40 45
Pro Phe Asn Glu Phe
50

<210> 766
<211> 95
<212> PRT
<213> Homo sapiens

<400> 766
Pro Pro Arg Thr Arg Leu Phe Leu Val Ile Leu Phe Cys Cys Phe Arg
1 5 10 15
Arg Asn Asp Thr Ser Phe Cys Phe Phe Glu Glu Lys Val Phe His Val
20 25 30
Thr Val Ala Arg Thr Asn Thr Lys Arg Ser Arg Leu Gln Met Leu Gln
35 40 45
Ala Cys Ala Val Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys
50 55 60
Thr Tyr Ile Tyr Gly Lys His Ile Tyr Cys Cys Ala Ala Arg Gly Lys
65 70 75 80
Pro Ala Lys Lys Cys Val Cys Leu Tyr Glu Met Phe Glu Lys Arg
85 90 95

<210> 767
<211> 53
<212> PRT
<213> Homo sapiens

<400> 767
Met Val Tyr Cys Val Val Ser Pro Arg Arg Ala Thr Leu Phe Cys Val
1 5 10 15
Leu Leu Leu Gly Thr Arg Cys Glu Ile Ile Ser Val Arg Ser Ser Phe
20 25 30
Gly Glu Tyr Asp Lys Ile Asn Ser Ile Leu Lys Gly Leu Leu Lys Ile
35 40 45
Pro Phe Asn Glu Phe
50

<210> 768
<211> 41
<212> PRT
<213> Homo sapiens

<400> 768
Met Pro Ser Gly Cys Arg Cys Leu His Leu Val Cys Leu Leu Cys Ile
1 5 10 15
Leu Gly Ala Pro Gly Gln Pro Val Arg Ala Asp Asp Cys Ser Pro Thr
20 25 30
Val Thr Trp Pro Thr Ala Ala Val Asn
35 40

<210> 769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 769
Pro Gly Leu Cys Ser Gln Leu His Val Pro Leu Leu Gly Gly Leu Cys
1 5 10 15
Gly Cys Pro Leu
20

<210> 770

<212> PRT

<400> 770

478

Pro Thr Thr Val Asp Thr Pro Leu Gly Pro Thr Ser Ala Val Val Val
260 265 270

Pro Ala Thr Gly Pro Ala Pro His Ser Ala Gly Ala Gly Leu Leu Arg
275 280 285

Ile Ser Val Lys Glu Val Val Arg Arg Gln Glu Ala Gly Leu Gly Glu
290 295 300

Pro Ser Leu Val Ala Leu Val Val Phe Gly Ala Leu Thr Ala Ala Leu
305 310 315 320

Val Leu Ala Thr Val Leu Leu Thr Leu Arg Ala Trp Arg Arg Gly Val
325 330 335

Cys Pro Pro Gly Pro Cys Cys Tyr Pro Ala Pro His Tyr Ala Pro Ala
340 345 350

Cys Gln Asp Gln Glu Cys Gln Val Ser Met Leu Pro Ala Gly Leu Pro
355 360 365

Leu Pro Arg Asp Leu Pro Pro Glu Pro Gly Lys Thr Thr Ala Leu
370 375 380

<210> 771

<211> 10

<212> PRT

<213> Homo sapiens

<400> 771

Pro Gln Thr Ala Gly Pro Gln Lys Cys Ala
1 5 10

<210> 772

<211> 10

<212> PRT

<213> Homo sapiens

<400> 772

Pro Phe Pro Ala Gly Pro His Ser Trp Ile
1 5 10

<210> 773

<211> 35

<212> PRT

<213> Homo sapiens

<400> 773

Met Gly Arg Gly Pro Trp Asp Ala Gly Pro Ser Arg Arg Leu Leu Pro
1 5 10 15

Leu Leu Leu Leu Leu Gly Leu Ala Arg Gly Ala Ala Glu Arg Arg Ala
20 25 30

Pro Thr Val
35

<210> 774

<211> 747

<212> PRT

<213> Homo sapiens

<400> 774

Met Gly Arg Gly Pro Trp Asp Ala Gly Pro Ser Arg Arg Leu Leu Pro
1 5 10 15

Leu Leu Leu Leu Leu Gly Leu Ala Arg Gly Ala Ala Gly Ala Pro Gly
20 25 30

Pro Asp Gly Leu Asp Val Cys Ala Thr Cys His Glu His Ala Thr Cys
35 40 45

Gln Gln Arg Glu Gly Lys Lys Ile Cys Ile Cys Asn Tyr Gly Phe Val
50 55 60

Gly Asn Gly Arg Thr Gln Cys Val Asp Lys Asn Glu Cys Gln Phe Gly
65 70 75 80

Ala Thr Leu Val Cys Gly Asn His Thr Ser Cys His Asn Thr Pro Gly
85 90 95

Gly Phe Tyr Cys Ile Cys Leu Glu Gly Tyr Arg Ala Thr Asn Asn Asn
100 105 110

Lys Thr Phe Ile Pro Asn Asp Gly Thr Phe Cys Thr Asp Ile Asp Glu
115 120 125

Cys Glu Val Ser Gly Leu Cys Arg His Gly Gly Arg Cys Val Asn Thr
130 135 140

His Gly Ser Phe Glu Cys Tyr Cys Met Asp Gly Tyr Leu Pro Arg Asn
145 150 155 160

Gly Pro Glu Pro Phe His Pro Thr Thr Asp Ala Thr Ser Cys Thr Glu
165 170 175

Ile	Asp	Cys	Gly	Thr	Pro	Pro	Glu	Val	Pro	Asp	Gly	Tyr	Ile	Ile	Gly	
			180					185					190			
Asn	Tyr	Thr	Ser	Ser	Leu	Gly	Ser	Gln	Val	Arg	Tyr	Ala	Cys	Arg	Glu	
		195					200					205				
Gly	Phe	Phe	Ser	Val	Pro	Glu	Asp	Thr	Val	Ser	Ser	Cys	Thr	Gly	Leu	
	210					215					220					
Gly	Thr	Trp	Glu	Ser	Pro	Lys	Leu	His	Cys	Gln	Glu	Ile	Asn	Cys	Gly	
225					230					235					240	
Asn	Pro	Pro	Glu	Met	Arg	His	Ala	Ile	Leu	Val	Gly	Asn	His	Ser	Ser	
				245					250					255		
Arg	Leu	Gly	Gly	Val	Ala	Arg	Tyr	Val	Cys	Gln	Glu	Gly	Phe	Glu	Ser	
			260					265					270			
Pro	Gly	Gly	Lys	Ile	Thr	Ser	Val	Cys	Thr	Glu	Lys	Gly	Thr	Trp	Arg	
		275					280					285				
Glu	Ser	Thr	Leu	Thr	Cys	Thr	Glu	Ile	Leu	Thr	Lys	Ile	Asn	Asp	Val	
	290					295					300					
Ser	Leu	Phe	Asn	Asp	Thr	Cys	Val	Arg	Trp	Gln	Ile	Asn	Ser	Arg	Arg	
305					310					315					320	
Ile	Asn	Pro	Lys	Ile	Ser	Tyr	Val	Ile	Ser	Ile	Lys	Gly	Gln	Arg	Leu	
				325					330					335		
Asp	Pro	Met	Glu	Ser	Val	Arg	Glu	Glu	Thr	Val	Asn	Leu	Thr	Thr	Asp	
			340					345					350			
Ser	Arg	Thr	Pro	Glu	Val	Cys	Leu	Ala	Leu	Tyr	Pro	Gly	Thr	Asn	Tyr	
		355					360					365				
Thr	Val	Asn	Ile	Ser	Thr	Ala	Pro	Pro	Arg	Arg	Ser	Met	Pro	Ala	Val	
	370					375					380					
Ile	Gly	Phe	Gln	Thr	Ala	Glu	Val	Asp	Leu	Leu	Glu	Asp	Asp	Gly	Ser	
385					390					395					400	
Phe	Asn	Ile	Ser	Ile	Phe	Asn	Glu	Thr	Cys	Leu	Lys	Leu	Asn	Arg	Arg	
				405					410					415		
Ser	Arg	Lys	Val	Gly	Ser	Glu	His	Met	Tyr	Gln	Phe	Thr	Val	Leu	Gly	
			420					425					430			
Gln	Arg	Trp	Tyr	Leu	Ala	Asn	Phe	Ser	His	Ala	Thr	Ser	Phe	Asn	Phe	
		435					440					445				

725

730

735

Ile Ile Leu Thr Phe Leu Ser Phe Ser Ala Val
 740 745

<210> 775

<211> 45

<212> PRT

<213> Homo sapiens

<400> 775

Thr Trp Trp Pro Pro Cys Pro Pro Ala Pro Met Gly Gln Val Gly Ser
 1 5 10 15

Cys Phe Ala Gly Leu Cys Gly Gln His Thr Arg Gly Leu His Gly Trp
 20 25 30

Pro Gln Pro Ser Pro Ala Ala Pro Gln Met Arg Ser Cys
 35 40 45

<210> 776

<211> 17

<212> PRT

<213> Homo sapiens

<400> 776

Gly Trp Cys Ser Arg Arg Asp Ser Cys Trp Pro Ser Pro Pro Thr Met
 1 5 10 15

Pro

<210> 777

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 777

Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
 20 25 30
 Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
 35 40 45
 Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
 50 55 60
 His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val
 65 70 75 80
 Val Leu Lys Glu Glu Thr His Leu Ser Gln Ser Glu Arg Thr Ala Arg
 85 90 95
 Arg Leu Gln Ala Gln Ala Xaa Arg Arg Gly Tyr Leu Pro Arg Ser Cys
 100 105 110
 Met Ser Ser Met Ala Phe Phe Leu
 115 120

<210> 778

<211> 269

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (236)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 778

Met Gly Thr Val Ser Ser Arg Arg Ser Trp Trp Pro Leu Pro Leu Leu
 1 5 10 15

Leu Leu Leu Leu Leu Leu Leu Gly Pro Ala Gly Ala Arg Ala Gln Glu
 20 25 30

Asp Glu Asp Gly Asp Tyr Glu Glu Leu Val Leu Ala Leu Arg Ser Glu
 35 40 45

Glu Asp Gly Leu Ala Glu Ala Pro Glu His Gly Thr Thr Ala Thr Phe
 50 55 60

His Arg Cys Ala Lys Asp Pro Trp Arg Leu Pro Gly Thr Tyr Val Val

65					70						75				80
Val	Leu	Lys	Glu	Glu	Thr	His	Leu	Ser	Gln	Ser	Glu	Arg	Thr	Ala	Arg
				85					90					95	
Arg	Leu	Gln	Ala	Gln	Ala	Ala	Arg	Arg	Gly	Tyr	Leu	Thr	Lys	Ile	Leu
			100					105					110		
His	Val	Phe	His	Gly	Leu	Leu	Pro	Gly	Phe	Leu	Val	Lys	Met	Ser	Gly
		115					120					125			
Asp	Leu	Leu	Glu	Leu	Ala	Leu	Lys	Leu	Pro	His	Val	Asp	Tyr	Ile	Glu
	130					135					140				
Glu	Asp	Ser	Ser	Val	Phe	Ala	Gln	Ser	Ile	Pro	Trp	Asn	Leu	Glu	Arg
145					150					155					160
Ile	Thr	Pro	Pro	Arg	Tyr	Arg	Ala	Asp	Glu	Tyr	Gln	Pro	Pro	Asp	Gly
				165					170					175	
Gly	Ser	Leu	Val	Glu	Val	Tyr	Leu	Leu	Asp	Thr	Ser	Ile	Gln	Ser	Asp
			180					185					190		
His	Arg	Glu	Ile	Glu	Gly	Arg	Val	Met	Val	Thr	Asp	Phe	Glu	Asn	Val
		195					200					205			
Pro	Glu	Glu	Asp	Gly	Thr	Arg	Phe	His	Arg	Gln	Ala	Ser	Lys	Cys	Asp
	210					215					220				
Ser	His	Gly	Pro	Thr	Trp	Gln	Gly	Trp	Ser	Ala	Xaa	Gly	Met	Pro	Ala
225					230					235					240
Trp	Pro	Arg	Val	Pro	Ala	Cys	Ala	Ala	Cys	Ala	Cys	Phe	Pro	Lys	Lys
				245					250					255	
Xaa	Pro	Leu	Leu	Gly	Gly	Pro	Pro	Gln	Lys	Lys	Gly	Gly			
			260					265							

<210> 779

<211> 107

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 779

Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr

1	5	10	15
Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro	20	25	30
Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr	35	40	45
Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser	50	55	60
Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile	65	70	75
Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Xaa Arg Arg Asp Ile	85	90	95
Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met	100	105	

<210> 780
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 780
Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Ala Gln Ser Asn Thr Met Asp Ala Asn Leu Ser
20 25 30
Phe Val Cys Ser Cys
35

<210> 781
 <211> 107
 <212> PRT
 <213> Homo sapiens

<400> 781
Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
20 25 30
Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr

		35						40						45					
Phe	Glu	Ser	Phe	Gly	Thr	Tyr	Ser	Thr	Lys	Leu	Pro	Phe	Asp	Leu	Ser				
	50					55					60								
Ile	Tyr	Phe	Pro	Tyr	Val	Leu	Lys	Ile	Tyr	Leu	Met	Met	Leu	Phe	Ile				
65					70					75					80				
Gly	Met	Tyr	Phe	Thr	Tyr	Ser	His	Leu	Tyr	Ser	Glu	Arg	Arg	Asp	Ile				
				85					90					95					
Leu	Gly	Ile	Phe	Pro	Ile	Lys	Lys	Lys	Lys	Met									
			100					105											

<210> 782

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 782

Ser	Asn	Pro	Ser	His	Ile	Leu	Met	Ile	Ser	Ile	Leu	Leu	Ser	His	Ala
1				5					10					15	

Ser	Arg	Gly	Ala	Gly	Ala	Asp	Pro	Lys	Arg	Ser	Cys	Cys	Pro	Gln	Arg
		20						25					30		

Val	Gly	Ser	Arg	Gly	Arg	Ala	Xaa	Val	Arg	Leu	Thr	Arg	Leu	Cys	Ser
	35						40					45			

Gln	Pro	Ser	Pro	His
	50			

<210> 783

<211> 33

<212> PRT

<213> Homo sapiens

<400> 783

His	His	Val	Ala	Gln	Ala	Leu	Pro	Pro	Ala	Gly	Ala	Pro	Arg	Gly	Arg
1				5					10					15	

Pro	His	Gln	Pro	His	Pro	Ala	Pro	Val	Gly	Gln	Gly	Ser	Pro	Glu	Arg
		20						25					30		

Gly

<210> 784

<211> 74

<212> PRT

<213> Homo sapiens

<400> 784

```
Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
  1              5              10              15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala
      20              25              30

Thr Glu Arg Asp Ser Ile Ser Lys Lys Lys Asn Lys Lys Thr Lys Lys
      35              40              45

Lys Asn Arg Lys Glu Thr Lys Asn Val Val Leu Ile Leu Ile Asn Ser
      50              55              60

Asn Ser Phe Met Trp Leu Ala Ala Ala Leu
  65              70
```

<210> 785

<211> 74

<212> PRT

<213> Homo sapiens

<400> 785

```
Met Gly Phe His His Val Ser Gln Ala Ala Leu Val Leu Leu Leu Leu
  1              5              10              15

Leu Leu Leu Leu Leu Leu Phe Asp Thr Glu Ser Arg Ser Ser Leu Ala
      20              25              30

Thr Glu Arg Asp Ser Ile Ser Lys Lys Lys Asn Lys Lys Thr Lys Lys
      35              40              45

Lys Asn Arg Lys Glu Thr Lys Asn Val Val Leu Ile Leu Ile Asn Ser
      50              55              60

Asn Ser Phe Met Trp Leu Ala Ala Ala Leu
  65              70
```

<210> 786
 <211> 178
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (170)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (177)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 786
 Met Ala Ala Pro Arg Gly Arg Ala Ala Pro Trp Thr Thr Ala Leu Leu
 1 5 10 15
 Leu Leu Leu Ala Ser Gln Val Leu Ser Pro Gly Ser Cys Ala Asp Glu
 20 25 30
 Glu Glu Val Pro Glu Glu Trp Val Leu Leu His Val Val Gln Gly Gln
 35 40 45
 Ile Gly Ala Gly Asn Tyr Ser Tyr Leu Arg Leu Asn His Glu Gly Lys
 50 55 60
 Ile Val Leu Arg Met Arg Ser Leu Lys Gly Asp Ala Asp Leu Tyr Val
 65 70 75 80
 Ser Ala Ser Ser Leu His Pro Ser Phe Asp Asp Tyr Glu Leu Gln Ser
 85 90 95
 Ala Thr Cys Gly Pro Asp Ala Val Ser Ile Pro Ala His Phe Arg Arg
 100 105 110
 Pro Val Gly Ile Gly Val Tyr Gly His Pro Ser His Leu Glu Ser Glu
 115 120 125
 Phe Glu Met Lys Val Tyr Tyr Asp Gly Thr Val Glu Gln His Pro Phe
 130 135 140

Gly Glu Ala Ala Tyr Pro Ala Asp Gly Gln Met Pro Xaa Arg Ser Thr
 145 150 155 160

Leu Val Pro Arg Lys Thr Pro Arg Lys Xaa Xaa Asn Leu Phe Ser Gly
 165 170 175

Xaa Tyr

<210> 787

<211> 191

<212> PRT

<213> Homo sapiens

<400> 787

Met Ala Ala Pro Arg Gly Arg Ala Ala Pro Trp Thr Thr Ala Leu Leu
 1 5 10 15

Leu Leu Leu Ala Ser Gln Val Leu Ser Pro Gly Ser Cys Ala Asp Glu
 20 25 30

Glu Glu Val Pro Glu Glu Trp Val Leu Leu His Val Val Gln Gly Gln
 35 40 45

Ile Gly Ala Gly Asn Tyr Ser Tyr Leu Arg Leu Asn His Glu Gly Lys
 50 55 60

Ile Val Leu Arg Met Arg Ser Leu Lys Gly Asp Ala Asp Leu Tyr Val
 65 70 75 80

Ser Ala Ser Ser Leu His Pro Ser Phe Asp Asp Tyr Glu Leu Gln Ser
 85 90 95

Ala Thr Cys Gly Pro Asp Ala Val Ser Ile Pro Ala His Phe Arg Arg
 100 105 110

Pro Val Gly Ile Gly Val Tyr Gly His Pro Ser His Leu Glu Ser Glu
 115 120 125

Phe Glu Met Lys Val Tyr Tyr Asp Gly Thr Val Glu Gln His Pro Phe
 130 135 140

Gly Glu Ala Ala Tyr Pro Ala Asp Gly Ala Asp Ala Gly Gln Lys His
 145 150 155 160

Ala Gly Ala Pro Glu Asp Ala Ser Gln Glu Glu Glu Ser Val Leu Trp
 165 170 175

Thr Ile Leu Ile Ser Ile Leu Lys Leu Glu Leu Glu Ile Leu Phe

180

185

190

<210> 788
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 788
 Thr Ala Ile Phe Phe Leu Leu Val
 1 5

<210> 789
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 789
 Met Arg Phe Trp Phe Leu Val Phe Xaa Phe Phe Phe Phe Pro Glu Ala
 1 5 10 15

His Val Tyr Pro Thr Ser Trp Xaa Val Ser Glu Gln Gly Xaa Ala Thr
 20 25 30

Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
 35 40 45

Asn Asn Thr Val Leu Asp Phe Pro
 50 55

<210> 790
 <211> 279

<212> PRT

<213> Homo sapiens

<400> 790

Glu	Glu	Arg	Trp	Lys	Ser	Pro	Glu	Val	Arg	Trp	Ala	Pro	Gly	Val	Ala	
1				5					10					15		
Met	Glu	Glu	Ser	Gly	Tyr	Glu	Ser	Val	Leu	Cys	Val	Lys	Pro	Asp	Val	
			20					25					30			
His	Val	Tyr	Arg	Ile	Pro	Pro	Arg	Ala	Thr	Asn	Arg	Gly	Tyr	Arg	Ala	
		35					40					45				
Ala	Glu	Trp	Gln	Leu	Asp	Gln	Pro	Ser	Trp	Ser	Gly	Arg	Leu	Arg	Ile	
	50					55					60					
Thr	Ala	Lys	Gly	Gln	Met	Ala	Tyr	Ile	Lys	Leu	Glu	Asp	Arg	Thr	Ser	
	65				70					75					80	
Gly	Glu	Leu	Phe	Ala	Gln	Ala	Pro	Val	Asp	Gln	Phe	Pro	Gly	Thr	Ala	
				85					90					95		
Val	Glu	Ser	Val	Thr	Asp	Ser	Ser	Arg	Tyr	Phe	Val	Ile	Arg	Ile	Glu	
			100					105					110			
Asp	Gly	Asn	Gly	Arg	Arg	Ala	Phe	Ile	Gly	Ile	Gly	Phe	Gly	Asp	Arg	
		115					120					125				
Gly	Asp	Ala	Phe	Asp	Phe	Asn	Val	Ala	Leu	Gln	Asp	His	Phe	Lys	Trp	
	130					135					140					
Val	Lys	Gln	Gln	Cys	Glu	Phe	Ala	Lys	Gln	Ala	Gln	Asn	Pro	Asp	Gln	
	145				150					155					160	
Gly	Pro	Lys	Leu	Asp	Leu	Gly	Phe	Lys	Glu	Gly	Gln	Thr	Ile	Lys	Leu	
				165					170					175		
Asn	Ile	Ala	Asn	Met	Lys	Lys	Lys	Glu	Gly	Ala	Ala	Gly	Asn	Pro	Arg	
			180					185					190			
Val	Arg	Pro	Ala	Ser	Thr	Gly	Gly	Leu	Ser	Leu	Leu	Pro	Pro	Pro	Pro	
		195					200					205				
Gly	Gly	Lys	Thr	Ser	Thr	Leu	Ile	Pro	Pro	Pro	Gly	Glu	Gln	Leu	Ala	
	210					215					220					
Val	Gly	Gly	Ser	Leu	Val	Gln	Pro	Ala	Val	Ala	Pro	Ser	Ser	Gly	Gly	
	225				230					235					240	
Ala	Pro	Val	Pro	Trp	Pro	Gln	Pro	Asn	Pro	Ala	Thr	Ala	Asp	Ile	Trp	
				245					250					255		

Gly Asp Phe Thr Lys Ser Thr Gly Ser Thr Ser Ser Gln Thr Gln Pro
260 265 270

Gly Thr Gly Trp Val Gln Phe
275

<210> 791

<211> 106

<212> PRT

<213> Homo sapiens

<400> 791

Arg Ser Arg Ser Lys Pro Arg Cys Asn Cys Glu Ile Val Thr Ile Phe
1 5 10 15

Phe Ala Arg Phe Lys Ile Gly Pro Gly Arg His Arg Lys Arg Lys Ile
20 25 30

Pro Lys Leu Cys Ser Ser Gly Ser Thr Ile Gly Arg Val Tyr Ser Leu
35 40 45

Pro Gly Leu Leu Arg Arg Gly Ser Cys Leu Phe Gly Tyr Ile Thr Pro
50 55 60

Asp Trp Phe Val Leu Lys Ile Asn Val Ile Met Leu Val Ser Tyr Leu
65 70 75 80

Met Val Ser Leu Glu His Ser Pro Leu Ile Leu Phe Glu Arg Val Gly
85 90 95

Gly Arg Asp Cys Glu Gly Arg Glu Lys Cys
100 105

<210> 792

<211> 56

<212> PRT

<213> Homo sapiens

<400> 792

Met Arg Phe Trp Phe Leu Val Phe Cys Phe Phe Phe Phe Pro Glu Ala
1 5 10 15

His Val Tyr Pro Thr Ser Trp Ser Val Ser Glu Gln Gly Cys Ala Thr
20 25 30

Ile Ser Val Thr Pro Gly Ile Leu Asn Trp Ile Phe Val Glu Glu Glu
35 40 45

Asn Asn Thr Val Leu Asp Phe Pro
50 55

<210> 793
<211> 41
<212> PRT
<213> Homo sapiens

<400> 793
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 794
<211> 41
<212> PRT
<213> Homo sapiens

<400> 794
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr
35 40

<210> 795
<211> 41
<212> PRT
<213> Homo sapiens

<400> 795
Met Thr Phe Ser Pro Leu Met Cys Tyr Cys Cys Cys Trp Val Gly Trp
1 5 10 15
Ala Phe Cys Leu Phe Val Trp Trp Gln Ser Val Val Val Gly Ser Gly
20 25 30
Arg Ala Tyr Ile Gly Phe Ser Ser Tyr

<210> 796
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 796
 Phe Leu Arg Phe Asp Gly Ile Ile Met Glu Ala Leu Tyr Lys Leu Asn
 1 5 10 15
 Glu Ile Gly Lys Gly Glu Leu Thr Leu Ser Ile Met His Ser Gly Leu
 20 25 30
 Lys Ile Arg Phe Gln Asn Glu Met Ser Asp Leu
 35 40

<210> 797
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 797
 Ile Gly Val Asn Tyr Leu Leu Leu Phe Phe Ile Phe
 1 5 10

<210> 798
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 798
 Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15
 Glu Ala Asn

<210> 799
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 799

Lys Leu Gly Phe Ser Thr Ile Leu Leu Leu Ser Ile Phe Ile Met Ser
 1 5 10 15

Glu Ala Asn

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Leu Cys Val Cys Thr Gly Cys Pro Gly Gly Gly Pro Gln Ile Pro Phe
 1 5 10 15

Arg Trp Gln Thr Glu Arg Gly
 20

<210> 801

<211> 29

<212> PRT

<213> Homo sapiens

<400> 801

Val Cys Val Cys Val Cys Leu Ile Ala Arg Val Tyr Phe Cys Ile Tyr
 1 5 10 15

Val Cys Val Trp Leu His Gly Cys Ala Ser Val Cys Leu
 20 25

<210> 802

<211> 6

<212> PRT

<213> Homo sapiens

<400> 802

Val Leu Pro Ser Ala Ser
 1 5

<210> 803

<211> 35

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 803
 Met Arg Ala Ser Gly Val Tyr Val Ser Xaa Cys Ser Phe Val Phe Met
 1 5 10 15
 Cys Val Cys Val Cys Met Leu Asn Ser Arg Xaa Thr Phe Asp Tyr Gly
 20 25 30
 Val Cys Gly
 35

<210> 804
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 804
 Met Arg Ala Ser Gly Val Tyr Val Ser Glu Cys Ser Phe Val Phe Met
 1 5 10 15
 Cys Val Cys Val Cys Met Ser Asp Cys Thr Gly Val Leu Leu Tyr Leu
 20 25 30
 Cys Val Cys Val Val Ala Arg Val Cys Leu Cys Val Ser Leu Thr Leu
 35 40 45
 Ala Gly Cys Val Cys Lys Ser Val
 50 55

<210> 805
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 805
 Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
 1 5 10 15
 Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 807

Met	Leu	Gln	Arg	Ile	Gly	Leu	Ile	Phe	Leu	His	Asn	Ile	Val	Val	Val
1				5					10					15	

Ser	Asn	Cys	Phe	Tyr	Phe	Gln	Ala	Phe	Leu	Asp	Glu	Phe	Thr	Asn	Trp
			20					25					30		

Ser	Arg	Ile	Asn	Pro	Asn	Lys	Ala	Arg	Ile	Pro	Met	Ala	Gly	Asp	Thr
		35					40					45			

Gln	Gly	Val	Val	Gly	Thr	Val	Ser	Lys	Pro	Cys	Phe	Thr	Ala	Tyr	Glu
	50					55					60				

Met	Lys	Ile	Gly	Ala	Ile	Thr	Phe	Gln	Val	Ala	Thr	Gly	Asp	Ile	Ala
65					70					75					80

Thr	Glu	Gln	Val	Asp	Val	Ile	Val	Asn	Ser	Thr	Xaa	Arg	Thr	Xaa	Asn
				85					90					95	

Xaa	Xaa	Ser	Gly	Xaa	Ser	Arg	Ala	Ile	Leu	Glu	Gly	Ala	Gly	Gln	Ala
			100					105					110		

Val	Glu	Ser	Glu	Cys	Ala	Val	Leu	Ala	Ala	Gln	Pro	His	Arg	Asp	Phe
		115					120					125			

Ile	Ile	Thr	Pro	Gly	Gly	Cys	Leu	Lys	Cys	Lys	Ile	Ile	Ile	His	Val
	130					135					140				

Pro	Gly	Gly	Lys	Asp	Val	Arg	Lys	Thr	Val	Thr	Ser	Val	Leu	Glu	Glu
145					150					155				160	

Cys	Glu	Gln	Arg	Lys	Tyr	Thr	Ser	Val	Ser	Leu	Pro	Ala	Ile	Gly	Thr
				165					170					175	

Gly	Asn	Ala	Gly	Lys	Asn	Pro	Ile	Thr	Val	Ala	Asp	Asn	Ile	Ile	Asp
			180					185					190		

Ala	Ile	Val	Asp	Phe	Ser	Ser	Gln	His	Ser	Thr	Pro	Ser	Leu	Lys	Thr
		195					200					205			

Val	Lys	Val	Val	Ile	Phe	Gln	Pro	Glu	Leu	Leu	Asn	Ile	Phe	Tyr	Asp
	210					215					220				

Ser	Met	Lys	Lys	Arg	Asp	Leu	Ser	Ala	Ser	Leu	Asn	Phe	Gln	Ser	Thr
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

225					230					235				240	
Phe	Ser	Met	Thr	Thr	Cys	Asn	Leu	Pro	Glu	His	Trp	Thr	Asp	Met	Asn
				245					250				255		
His	Gln	Leu	Phe	Cys	Met	Val	Gln	Leu	Glu	Pro	Gly	Gln	Ser	Glu	Tyr
		260						265					270		
Asn	Thr	Ile	Lys	Asp	Lys	Phe	Thr	Arg	Thr	Cys	Ser	Ser	Tyr	Ala	Ile
		275					280					285			
Glu	Lys	Ile	Glu	Arg	Ile	Gln	Asn	Ala	Phe	Leu	Trp	Gln	Ser	Tyr	Gln
	290					295					300				
Val	Lys	Lys	Arg	Gln	Met	Asp	Ile	Lys	Asn	Asp	His	Lys	Asn	Asn	Glu
305					310					315					320
Arg	Leu	Leu	Phe	His	Gly	Thr	Asp	Ala	Asp	Ser	Val	Pro	Tyr	Val	Asn
				325					330					335	
Gln	His	Gly	Phe	Asn	Arg	Ser	Cys	Ala	Gly	Lys	Asn	Ala	Val	Ser	Tyr
			340					345					350		
Gly	Lys	Gly	Thr	Tyr	Phe	Ala	Val	Asp	Ala	Ser	Tyr	Ser	Ala	Lys	Asp
		355					360					365			
Thr	Tyr	Ser	Lys	Pro	Asp	Ser	Asn	Gly	Arg	Lys	His	Met	Tyr	Val	Val
	370					375					380				
Arg	Val	Leu	Thr	Gly	Val	Phe	Thr	Lys	Gly	Arg	Ala	Gly	Leu	Val	Thr
385					390					395					400
Pro	Pro	Pro	Lys	Asn	Pro	His	Asn	Pro	Thr	Asp	Leu	Phe	Asp	Ser	Val
				405					410					415	
Thr	Asn	Asn	Thr	Arg	Ser	Pro	Lys	Leu	Phe	Val	Val	Phe	Phe	Asp	Asn
			420					425					430		
Gln	Ala	Tyr	Pro	Glu	Tyr	Leu	Ile	Thr	Phe	Thr	Ala				
	435						440								

<210> 808

<211> 505

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (358)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (494)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (504)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (505)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Leu Ala Leu Thr Gly
 1 5 10 15
 Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
 20 25 30
 Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
 35 40 45
 Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
 50 55 60
 Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
 65 70 75 80
 Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
 85 90 95
 Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
 100 105 110
 Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
 115 120 125
 Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
 130 135 140
 Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
 145 150 155 160
 His Ser Ile Leu Thr Arg Gly Ala Ser Val Gln Leu Val Phe Gly Phe
 165 170 175
 Glu Tyr Ala Ile Leu Met Thr Met Val Leu Thr Ile Phe Ile Lys Tyr
 180 185 190

Val	Leu	His	Ser	Val	Asp	Leu	Gln	Ser	Glu	Asn	Pro	Trp	Asp	Asn	Lys	195	200	205
Ala	Val	Tyr	Met	Leu	Tyr	Thr	Glu	Leu	Phe	Thr	Gly	Phe	Ile	Lys	Val	210	215	220
Leu	Leu	Tyr	Met	Ala	Phe	Met	Thr	Ile	Met	Ile	Lys	Val	His	Thr	Phe	225	230	235
Pro	Leu	Phe	Ala	Ile	Arg	Pro	Met	Tyr	Leu	Ala	Met	Arg	Gln	Phe	Lys	245	250	255
Lys	Ala	Val	Thr	Asp	Ala	Ile	Met	Ser	Arg	Arg	Ala	Ile	Arg	Asn	Met	260	265	270
Asn	Thr	Leu	Tyr	Pro	Asp	Ala	Thr	Pro	Glu	Glu	Leu	Gln	Ala	Met	Asp	275	280	285
Asn	Val	Cys	Ile	Ile	Cys	Arg	Glu	Glu	Met	Val	Thr	Gly	Ala	Lys	Arg	290	295	300
Leu	Pro	Cys	Asn	His	Ile	Phe	His	Thr	Ser	Cys	Leu	Arg	Ser	Trp	Phe	305	310	315
Gln	Arg	Gln	Gln	Thr	Cys	Pro	Thr	Cys	Arg	Met	Asp	Val	Leu	Arg	Ala	325	330	335
Ser	Leu	Pro	Ala	Gln	Ser	Pro	Pro	Pro	Pro	Glu	Pro	Ala	Asp	Gln	Gly	340	345	350
Pro	Pro	Pro	Ala	Pro	Xaa	Pro	Pro	Pro	Leu	Leu	Pro	Gln	Pro	Pro	Asn	355	360	365
Phe	Pro	Gln	Gly	Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu	370	375	380
Trp	Pro	Pro	Met	Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser	385	390	395
Gly	Glu	Ala	Val	Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg	405	410	415
Pro	Ser	Gly	Ala	Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala	420	425	430
Ala	Ser	Ala	Thr	Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala	435	440	445
Gly	Pro	Ala	Pro	Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro	450	455	460

Leu Pro Pro Pro Phe Ala Phe Pro Pro Met Pro Val Pro Pro Ala Gly
 465 470 475 480

Phe Ala Gly Leu Thr Pro Glu Glu Tyr Glu Leu Trp Arg Xaa Met Ser
 485 490 495

Gly Arg Thr Gly Gly Pro Val Xaa Xaa
 500 505

<210> 809
 <211> 191
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Met Phe Arg Thr Ala Val Met Met Ala Ala Ser Ile Trp Pro Arg Leu
 1 5 10 15

Trp Xaa Cys Pro Xaa Gly Trp Pro Cys Pro Trp Phe Pro Leu Pro Ser
 20 25 30

Ser Leu Asp Gly Tyr Ala Pro Ala Ser Thr Leu Cys Leu Pro Pro Asn
 35 40 45

Ala Cys Ala Pro Cys Gly Phe Ala Gly Leu Thr Pro Glu Glu Leu Arg
 50 55 60

Ala Leu Glu Gly His Glu Arg Gln His Leu Glu Ala Arg Leu Gln Ser
 65 70 75 80

Leu Arg Asn Ile His Thr Leu Leu Asp Ala Ala Met Leu Gln Ile Asn
 85 90 95

Gln Tyr Leu Thr Val Leu Ala Ser Leu Gly Pro Pro Arg Pro Ala Thr
 100 105 110

Ser Val Asn Ser Thr Glu Glu Thr Ala Thr Thr Val Val Ala Ala Ala
 115 120 125

Ser Ser Thr Ser Ile Pro Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly

130		135		140
Ala Ser Pro Pro Ala	Pro Glu Met Glu Arg	Pro Pro Ala Pro Glu Ser		
145	150	155	160	
Val Gly Thr Glu Glu Met	Pro Glu Asp Gly Glu Pro Asp	Ala Ala Glu		
	165	170	175	
Leu Arg Arg Arg Arg	Leu Gln Lys Leu Glu Ser	Pro Val Ala His		
	180	185	190	

<210> 810

<211> 617

<212> PRT

<213> Homo sapiens

<400> 810

Met Phe Arg Thr Ala Val	Met Met Ala Ala Ser	Leu Ala Leu Thr Gly
1	5	10
Ala Val Val Ala His	Ala Tyr Tyr Leu Lys	His Gln Phe Tyr Pro Thr
20	25	30
Val Val Tyr Leu Thr	Lys Ser Ser Pro Ser	Met Ala Val Leu Tyr Ile
35	40	45
Gln Ala Phe Val Leu Val	Phe Leu Leu Gly Lys	Val Met Gly Lys Val
50	55	60
Phe Phe Gly Gln Leu Arg	Ala Ala Glu Met Glu	His Leu Leu Glu Arg
65	70	75
Ser Trp Tyr Ala Val Thr	Glu Thr Cys Leu Ala	Phe Thr Val Phe Arg
85	90	95
Asp Asp Phe Ser Pro Arg	Phe Val Ala Leu Phe	Thr Leu Leu Leu Phe
100	105	110
Leu Lys Cys Phe His Trp	Leu Ala Glu Asp Arg	Val Asp Phe Met Glu
115	120	125
Arg Ser Pro Asn Ile Ser	Trp Leu Phe His Cys	Arg Ile Val Ser Leu
130	135	140
Met Phe Leu Leu Gly Ile	Leu Asp Phe Leu Phe	Val Ser His Ala Tyr
145	150	155
His Ser Ile Leu Thr Arg	Gly Ala Ser Val Gln	Leu Val Phe Gly Phe
165	170	175

Glu	Tyr	Ala	Ile	Leu	Met	Thr	Met	Val	Leu	Thr	Ile	Phe	Ile	Lys	Tyr	180	185	190
Val	Leu	His	Ser	Val	Asp	Leu	Gln	Ser	Glu	Asn	Pro	Trp	Asp	Asn	Lys	195	200	205
Ala	Val	Tyr	Met	Leu	Tyr	Thr	Glu	Leu	Phe	Thr	Gly	Phe	Ile	Lys	Val	210	215	220
Leu	Leu	Tyr	Met	Ala	Phe	Met	Thr	Ile	Met	Ile	Lys	Val	His	Thr	Phe	225	230	235
Pro	Leu	Phe	Ala	Ile	Arg	Pro	Met	Tyr	Leu	Ala	Met	Arg	Gln	Phe	Lys	245	250	255
Lys	Ala	Val	Thr	Asp	Ala	Ile	Met	Ser	Arg	Arg	Ala	Ile	Arg	Asn	Met	260	265	270
Asn	Thr	Leu	Tyr	Pro	Asp	Ala	Thr	Pro	Glu	Glu	Leu	Gln	Ala	Met	Asp	275	280	285
Asn	Val	Cys	Ile	Ile	Cys	Arg	Glu	Glu	Met	Val	Thr	Gly	Ala	Lys	Arg	290	295	300
Leu	Pro	Cys	Asn	His	Ile	Phe	His	Thr	Ser	Cys	Leu	Arg	Ser	Trp	Phe	305	310	315
Gln	Arg	Gln	Gln	Thr	Cys	Pro	Thr	Cys	Arg	Met	Asp	Val	Leu	Arg	Ala	325	330	335
Ser	Leu	Pro	Ala	Gln	Ser	Pro	Pro	Pro	Pro	Glu	Pro	Ala	Asp	Gln	Gly	340	345	350
Pro	Pro	Pro	Ala	Pro	His	Pro	Pro	Pro	Leu	Leu	Pro	Gln	Pro	Pro	Asn	355	360	365
Phe	Pro	Gln	Gly	Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu	370	375	380
Trp	Pro	Pro	Met	Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser	385	390	395
Gly	Glu	Ala	Val	Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg	405	410	415
Pro	Ser	Gly	Ala	Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala	420	425	430
Ala	Ser	Ala	Thr	Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala	435	440	445
Gly	Pro	Ala	Pro	Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro			

450		455		460	
Leu	Pro	Pro	Pro	Phe	Ala
465				470	
	Phe	Pro	Pro	Met	Pro
				475	
	Val	Pro	Pro	Ala	Gly
				480	
Phe	Ala	Gly	Leu	Thr	Pro
				485	
	Glu	Glu	Leu	Arg	Ala
				490	
	Leu	Glu	Gly	His	Glu
				495	
Arg	Gln	His	Leu	Glu	Ala
				500	
	Arg	Leu	Gln	Ser	Leu
				505	
	Arg	Asn	Ile	His	Thr
				510	
Leu	Leu	Asp	Ala	Ala	Met
				515	
	Leu	Gln	Ile	Asn	Gln
				520	
	Tyr	Leu	Thr	Val	Leu
				525	
Ala	Ser	Leu	Gly	Pro	Pro
				530	
	Arg	Pro	Ala	Thr	Ser
				535	
	Val	Asn	Ser	Thr	Glu
				540	
Glu	Thr	Ala	Thr	Thr	Val
				545	
	Val	Ala	Ala	Ala	Ser
				550	
	Ser	Ser	Thr	Ser	Ile
				555	
	Pro	Pro	Ala	Pro	Ser
				560	
Ser	Ser	Glu	Ala	Thr	Thr
				565	
	Pro	Thr	Pro	Gly	Ala
				570	
	Ser	Pro	Pro	Ala	Pro
				575	
Glu	Met	Glu	Arg	Pro	Pro
				580	
	Ala	Pro	Glu	Ser	Val
				585	
	Gly	Thr	Glu	Glu	Met
				590	
Pro	Glu	Asp	Gly	Glu	Pro
				595	
	Asp	Ala	Ala	Glu	Leu
				600	
	Arg	Arg	Arg	Arg	Leu
				605	
Gln	Lys	Leu	Glu	Ser	Pro
				610	
	Val	Ala	His		
				615	

<210> 811
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 811
 Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
 1 5 10 15

Val Ile Pro Asn
 20

<210> 812
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 812
 Leu Glu Ile Leu Val Val Lys Lys Leu Leu Ala
 1 5 10

<210> 813
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 813
 Met Asn Val Arg Leu Val Leu Asn Pro Phe Pro Leu Tyr Ser Val Tyr
 1 5 10 15

Val Ile Pro Asn
 20

<210> 814
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 814
 Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
 1 5 10 15

Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
 20 25 30

Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
 35 40 45

Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
 50 55 60

<210> 815
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 815
 Met Leu Cys Pro Ala Leu Gly Pro Phe Leu Leu Phe Leu Leu Ser Ser
 1 5 10 15

Thr Leu Met Ala Ser Phe Met Gly Asp Thr Pro Cys His Pro Gly Glu
 20 25 30

Leu Ser Ala Phe Gly Val Ala Pro Ser Arg Val Phe Thr Ser Ser Phe
35 40 45

Leu Phe Thr Val Phe Thr Pro Ser Tyr Pro Ser Leu Pro Gly
50 55 60

<210> 816

<211> 51

<212> PRT

<213> Homo sapiens

<400> 816

Gln Ala Ser Trp Val Trp Trp Leu Thr Thr Val Ile Pro Ala Leu Trp
1 5 10 15

Glu Ala Arg Ala Gly Gly Ser Leu Glu Pro Arg Ser Ser Arg Leu Ala
20 25 30

Trp Ala Thr Gln Lys Val Phe Ile Ser Lys Lys Lys Lys Lys Lys Lys
35 40 45

Arg Ala Ala
50

<210> 817

<211> 19

<212> PRT

<213> Homo sapiens

<400> 817

Leu Val Cys Phe Val Ile Phe Arg Leu Trp Tyr Met Cys Val Phe Thr
1 5 10 15

Leu Trp Ala

<210> 818

<211> 4

<212> PRT

<213> Homo sapiens

<400> 818

Phe Leu Ser Ser
1

<210> 819
<211> 53
<212> PRT
<213> Homo sapiens

<400> 819
Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
1 5 10 15
Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
20 25 30
Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
35 40 45
Gln Phe Ser Ile Met
50

<210> 820
<211> 53
<212> PRT
<213> Homo sapiens

<400> 820
Met Phe Ile Ser Leu Phe Ile Phe Gly Leu Val Arg Leu Trp Pro Cys
1 5 10 15
Cys Val Val Ile Tyr Phe Val Tyr Ser Ile Cys Lys His Gln Cys Ser
20 25 30
Gln Glu Ala His Ser Ser Ile Phe Asn Cys Lys Phe Val Ser Gln Ser
35 40 45
Gln Phe Ser Ile Met
50

<210> 821
<211> 283
<212> PRT
<213> Homo sapiens

<400> 821
Met Ile Phe Leu Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln
1 5 10 15
Ile Ala Ala Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile

<210> 822
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 822
 Met Ile Phe Leu Leu Leu Met Leu Ser Leu Glu Leu Gln Leu His Gln
 1 5 10 15
 Ile Ala Ala Leu Phe Thr Val Thr Val Pro Lys Glu Leu Tyr Ile Ile
 20 25 30
 Glu His Gly Ser Asn Val Thr Leu Glu Cys Asn Phe Asp Thr Gly Ser
 35 40 45
 His Val Asn Leu Gly Ala Ile Thr Ala Ser Leu Gln Lys Val Glu Asn
 50 55 60
 Asp Thr Ser Pro His Arg Glu Arg Ala Thr Leu Leu Glu Glu Gln Leu
 65 70 75 80
 Pro Leu Gly Lys Ala Ser Phe Pro Xaa Leu Lys Xaa Lys
 85 90

<210> 823
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 823
 Leu Phe Leu Leu Leu Glu Ile Ser Thr His Leu Cys Phe Trp Lys Ser
 1 5 10 15
 Leu Arg Lys Leu Glu Gly Lys
 20

<210> 824
 <211> 46

<212> PRT

<213> Homo sapiens

<400> 824

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 825

<211> 46

<212> PRT

<213> Homo sapiens

<400> 825

Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
1 5 10 15

Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
20 25 30

Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
35 40 45

<210> 826

<211> 67

<212> PRT

<213> Homo sapiens

<400> 826

Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
1 5 10 15

Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
20 25 30

Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu
35 40 45

Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
50 55 60

Gln Gly Gly
65

<210> 827
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 827
 Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
 1 5 10 15
 Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
 20 25 30
 Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
 35 40 45
 His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
 50 55 60
 Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
 65 70 75 80
 Glu Asn Ser

<210> 828
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 828
 Met Asp Arg Gly Val Met Cys Leu Leu Ala Ser Trp Pro Gly Leu Gly
 1 5 10 15
 Ala Gln Phe Cys Gly Ala Gly Val Cys Pro Leu Arg Val Pro Ser Leu
 20 25 30
 Glu Pro Thr Leu Pro Asn Asp Gly Gly Gly Leu Glu Ala Leu Thr Leu
 35 40 45
 Gly Gly Lys Glu Ala Lys Glu Arg Trp Arg Trp Lys Gly Arg Pro Gly
 50 55 60
 Gln Gly Gly
 65

<210> 829
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 829
 Gly His Val Leu Ala Tyr Ser Ser Trp Pro Ser Leu Ala Pro Gly Leu
 1 5 10 15
 Ser Val Gln Tyr Phe Val Ser Arg Val Glu Val Pro Asn Pro Gly Cys
 20 25 30
 Thr Leu Glu Ala Pro Gly Lys Leu Ser Glu Phe Leu Arg Pro Glu Pro
 35 40 45
 His Pro Lys Pro Ile Ser Ser Glu Ser Leu Gly Gly Thr Glu Pro Gly
 50 55 60
 Phe Cys Gln Leu Lys Pro Ala Met Val Thr Ser Val Ser Ser Tyr Thr
 65 70 75 80
 Glu Asn Ser

<210> 830
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 830
 Ser Trp Val Asp Phe Asp Cys Val Xaa Glu Val Ser Tyr Leu Asn Ser
 1 5 10 15
 Gly Ser Tyr Ser Leu Val Leu His Leu Glu Gly Leu His Pro Leu Glu
 20 25 30
 Leu Ser Gly Lys Leu Ala Ile Asp Phe Gly Lys Lys Arg Glu Phe Cys
 35 40 45
 Val Asp Gly Val Gly Gly Ala Thr Leu Val Ile Cys Pro Gly Phe Gln
 50 55 60
 Asp Phe
 65

<210> 831
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 831
 Met Trp Tyr Val Cys Ala Cys Val Cys Val Cys Val Xaa Val Cys Ser
 1 5 10 15
 Tyr Asn Arg Arg Thr Gly Lys Val Arg Thr Gln Asn Asn Glu Asp Leu
 20 25 30
 Leu Lys Cys Gly Gly Gly Val Cys Val Cys Val Phe Ile Glu Gln Glu
 35 40 45
 Asp Arg Lys Gly Asn Asp His Pro Trp Lys Met Lys Gly
 50 55 60

<210> 832
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 832
 Val Cys Cys Cys Leu His Leu Asn Ala Phe Val
 1 5 10

<210> 833
 <211> 716
 <212> PRT
 <213> Homo sapiens

<400> 833
 Met Asn Asn Phe Arg Ala Thr Ile Leu Phe Trp Ala Ala Ala Ala Trp
 1 5 10 15
 Ala Lys Ser Gly Lys Pro Ser Gly Glu Met Asp Glu Val Gly Val Gln
 20 25 30
 Lys Cys Lys Asn Ala Leu Lys Leu Pro Val Leu Glu Val Leu Pro Gly
 35 40 45

Gly	Gly	Trp	Asp	Asn	Leu	Arg	Asn	Val	Asp	Met	Gly	Arg	Val	Met	Glu
	50					55					60				
Leu	Thr	Tyr	Ser	Asn	Cys	Arg	Thr	Thr	Glu	Asp	Gly	Gln	Tyr	Ile	Ile
65					70					75					80
Pro	Asp	Glu	Ile	Phe	Thr	Ile	Pro	Gln	Lys	Gln	Ser	Asn	Leu	Glu	Met
				85					90					95	
Asn	Ser	Glu	Ile	Leu	Glu	Ser	Trp	Ala	Asn	Tyr	Gln	Ser	Ser	Thr	Ser
			100					105					110		
Tyr	Ser	Ile	Asn	Thr	Glu	Leu	Ser	Leu	Phe	Ser	Lys	Val	Asn	Gly	Lys
		115					120					125			
Phe	Ser	Thr	Glu	Phe	Gln	Arg	Met	Lys	Thr	Leu	Gln	Val	Lys	Asp	Gln
	130					135					140				
Ala	Ile	Thr	Thr	Arg	Val	Gln	Val	Arg	Asn	Leu	Val	Tyr	Thr	Val	Lys
145					150					155					160
Ile	Asn	Pro	Thr	Leu	Glu	Leu	Ser	Ser	Gly	Phe	Arg	Lys	Glu	Leu	Leu
				165					170					175	
Asp	Ile	Ser	Asp	Arg	Leu	Glu	Asn	Asn	Gln	Thr	Arg	Met	Ala	Thr	Tyr
			180					185					190		
Leu	Ala	Glu	Leu	Leu	Val	Leu	Asn	Tyr	Gly	Thr	His	Val	Thr	Thr	Ser
	195						200					205			
Val	Asp	Ala	Gly	Ala	Ala	Leu	Ile	Gln	Glu	Asp	His	Leu	Arg	Ala	Ser
	210					215					220				
Phe	Leu	Gln	Asp	Ser	Gln	Ser	Ser	Arg	Ser	Ala	Val	Thr	Ala	Ser	Ala
225					230					235					240
Gly	Leu	Ala	Phe	Gln	Asn	Thr	Val	Asn	Phe	Lys	Phe	Glu	Glu	Asn	Tyr
				245					250					255	
Thr	Ser	Gln	Asn	Val	Leu	Thr	Lys	Ser	Tyr	Leu	Ser	Asn	Arg	Thr	Asn
			260					265					270		
Ser	Arg	Val	Gln	Ser	Ile	Gly	Gly	Val	Pro	Phe	Tyr	Pro	Gly	Ile	Thr
		275					280					285			
Leu	Gln	Ala	Trp	Gln	Gln	Gly	Ile	Thr	Asn	His	Leu	Val	Ala	Ile	Asp
	290					295					300				
Arg	Ser	Gly	Leu	Pro	Leu	His	Phe	Phe	Ile	Asn	Pro	Asn	Met	Leu	Pro
305					310					315					320

Asp	Leu	Pro	Gly	Pro	Leu	Val	Lys	Lys	Val	Ser	Lys	Thr	Val	Glu	Thr	325	330	335	
Ala	Val	Lys	Arg	Tyr	Tyr	Thr	Phe	Asn	Thr	Tyr	Pro	Gly	Cys	Thr	Asp	340	345	350	
Leu	Asn	Ser	Pro	Asn	Phe	Asn	Phe	Gln	Ala	Asn	Thr	Asp	Asp	Gly	Ser	355	360	365	
Cys	Glu	Gly	Lys	Met	Thr	Asn	Phe	Ser	Phe	Gly	Gly	Val	Tyr	Gln	Glu	370	375	380	
Cys	Thr	Gln	Leu	Ser	Gly	Asn	Arg	Asp	Val	Leu	Leu	Cys	Gln	Lys	Leu	385	390	395	400
Glu	Gln	Lys	Asn	Pro	Leu	Thr	Gly	Asp	Phe	Ser	Cys	Pro	Ser	Gly	Tyr	405	410	415	
Ser	Pro	Val	His	Leu	Leu	Ser	Gln	Ile	His	Glu	Glu	Gly	Tyr	Asn	His	420	425	430	
Leu	Glu	Cys	His	Arg	Lys	Cys	Thr	Leu	Leu	Val	Phe	Cys	Lys	Thr	Val	435	440	445	
Cys	Glu	Asp	Val	Phe	Gln	Val	Ala	Lys	Ala	Glu	Phe	Arg	Ala	Phe	Trp	450	455	460	
Cys	Val	Ala	Ser	Ser	Gln	Val	Pro	Glu	Asn	Ser	Gly	Leu	Leu	Phe	Gly	465	470	475	480
Gly	Leu	Phe	Ser	Ser	Lys	Ser	Ile	Asn	Pro	Met	Thr	Asn	Ala	Gln	Ser	485	490	495	
Cys	Pro	Ala	Gly	Tyr	Phe	Pro	Leu	Arg	Leu	Phe	Glu	Asn	Leu	Lys	Val	500	505	510	
Cys	Val	Ser	Gln	Asp	Tyr	Glu	Leu	Gly	Ser	Arg	Phe	Ala	Val	Pro	Phe	515	520	525	
Gly	Gly	Phe	Phe	Ser	Cys	Thr	Val	Gly	Asn	Pro	Leu	Val	Asp	Pro	Ala	530	535	540	
Ile	Ser	Arg	Asp	Leu	Gly	Ala	Pro	Ser	Leu	Lys	Lys	Cys	Pro	Gly	Gly	545	550	555	560
Phe	Ser	Gln	His	Pro	Ala	Leu	Ile	Ser	Asp	Gly	Cys	Gln	Val	Ser	Tyr	565	570	575	
Cys	Val	Lys	Ser	Gly	Leu	Phe	Thr	Gly	Gly	Ser	Leu	Pro	Pro	Ala	Arg	580	585	590	
Leu	Pro	Pro	Phe	Thr	Arg	Pro	Pro	Leu	Met	Ser	Gln	Ala	Ala	Thr	Asn				

595	600	605
Thr Val Ile Val Thr Asn Ser Glu Asn Ala Arg Ser Trp Ile Lys Asp		
610	615	620
Ser Gln Thr His Gln Trp Arg Leu Gly Glu Pro Ile Glu Leu Arg Arg		
625	630	635 640
Ala Met Asn Val Ile His Gly Asp Gly Gly Gly Leu Ser Gly Gly Ala		
	645	650 655
Ala Ala Gly Val Thr Val Gly Val Thr Thr Ile Leu Ala Val Val Ile		
	660	665 670
Thr Leu Ala Ile Tyr Gly Thr Arg Lys Phe Lys Lys Lys Ala Tyr Gln		
	675	680 685
Ala Ile Glu Glu Arg Gln Ser Leu Val Pro Gly Thr Ala Ala Thr Gly		
	690	695 700
Asp Thr Thr Tyr Gln Glu Gln Gly Gln Ser Pro Ala		
705	710	715

<210> 834

<211> 94

<212> PRT

<213> Homo sapiens

<400> 834

Leu Ala Val Ile Met Ala Arg Pro Ala Ala Glu Pro Leu Cys Phe Leu
1 5 10 15
Asn Pro Lys Leu Leu Ala Leu Ala Val Gly Val Leu Glu Leu Leu Gly
20 25 30
Arg Gly Phe Leu Asp Ser Ser Pro Leu Leu Arg Pro Ala Ser Asp Gly
35 40 45
Glu Arg Phe Thr Trp Glu Ala Leu Gly Glu Ser Leu Pro Phe Ser Asp
50 55 60
Thr Phe Ala Ser Ser Val Phe Pro Val Pro Gly Val Phe Ser Ala Pro
65 70 75 80
Ala Gly Ala Glu Ala Phe Val Leu Gly Met Val Met Pro Thr
85 90

<210> 835

<211> 39
<212> PRT
<213> Homo sapiens

<400> 835
Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Pro Pro Leu Leu Ile
1 5 10 15
Ala Val Pro Pro Arg Pro Ser Arg Ser Pro Val Gln Pro Pro Ser Leu
20 25 30
Gly Ala Ala Asn Pro Ser Ala
35

<210> 836
<211> 9
<212> PRT
<213> Homo sapiens

<400> 836
Pro Ser Ala Ala Ala Ser Ala Thr Pro
1 5

<210> 837
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 837
 Met His Leu Leu Pro Trp Arg Ala Ala Ala Ala Xaa Pro Leu Leu Xaa
 1 5 10 15
 Ala Val Pro Xaa Arg Ala Xaa Arg Xaa Pro Val Gln Ala Pro Ser Leu
 20 25 30
 Gly Ala Xaa Asn Pro Xaa Arg Gly Thr Gln Val Ala Thr Val Ser Xaa
 35 40 45
 Xaa Ser Gly Lys Leu Leu Gly Leu Lys Ala Pro Arg Pro Lys Pro
 50 55 60

<210> 838
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 838
 Thr Tyr Ser Phe Cys Val Cys Glu Arg Ala Phe Val Phe Gly Ser Val
 1 5 10 15
 Pro Arg Ala Glu Val Glu Gln Gly Cys Thr Tyr His Gly Lys Gly Gly
 20 25 30

Arg Lys Glu Asn Trp Ile Ala Cys Asp Leu Trp Trp Asn Leu Phe Leu
 35 40 45
 Leu Pro Arg Pro Phe Arg Pro Cys Leu Ile Ser Val Gly His Phe Arg
 50 55 60
 Leu Trp Gln Gly Arg Ala Gly Leu Gln Ser Glu Val Pro Ala Ser Ser
 65 70 75 80
 Leu Glu His Asn

<210> 839
 <211> 77
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 839
 Leu Gly Gly Tyr Ala Leu Ser Xaa Xaa Xaa Asn Arg Val Thr Asp Xaa
 1 5 10 15
 Val Met Ile Tyr Phe Phe Ile Ile Ile Val Glu Tyr Phe Tyr Gly Lys
 20 25 30
 Ile Phe Val Val Leu Ile Ile Pro Ile Lys Ile Met Pro Asn Thr Lys
 35 40 45
 Tyr Glu Phe Tyr Asp Val His Phe Val Leu Gly Ile Lys Arg Lys Lys
 50 55 60

His Thr Ser Trp Lys Ser Val Ser Cys Phe Leu Leu Leu
65 70 75

<210> 840
<211> 184
<212> PRT
<213> Homo sapiens

<400> 840
Met Ser Arg Thr Ala Tyr Thr Val Gly Ala Leu Leu Leu Leu Leu Gly
1 5 10 15
Thr Leu Leu Pro Ala Ala Glu Gly Lys Lys Lys Gly Ser Gln Gly Ala
20 25 30
Ile Pro Pro Pro Asp Lys Ala Gln His Asn Asp Ser Glu Gln Thr Gln
35 40 45
Ser Pro Gln Gln Pro Gly Ser Arg Asn Arg Gly Arg Gly Gln Gly Arg
50 55 60
Gly Thr Ala Met Pro Gly Glu Glu Val Leu Glu Ser Ser Gln Glu Ala
65 70 75 80
Leu His Val Thr Glu Arg Lys Tyr Leu Lys Arg Asp Trp Cys Lys Thr
85 90 95
Gln Pro Leu Lys Gln Thr Ile His Glu Glu Gly Cys Asn Ser Arg Thr
100 105 110
Ile Ile Asn Arg Phe Cys Tyr Gly Gln Cys Asn Ser Phe Tyr Ile Pro
115 120 125
Arg His Ile Arg Lys Glu Glu Gly Ser Phe Gln Ser Cys Ser Phe Cys
130 135 140
Lys Pro Lys Lys Phe Thr Thr Met Met Val Thr Leu Asn Cys Pro Glu
145 150 155 160
Leu Gln Pro Pro Thr Lys Lys Lys Arg Val Thr Arg Val Lys Gln Cys
165 170 175
Arg Cys Ile Ser Ile Asp Leu Asp
180

<210> 841
<211> 87
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 841

Xaa	His	Ser	His	Trp	Glu	Gly	Leu	Lys	Leu	Cys	Cys	Leu	Asn	Pro	Val
1				5					10					15	

Leu	Gly	Pro	Ala	Arg	Lys	Arg	Lys	Arg	Xaa	Leu	Arg	Asn	Arg	Gly	Ala
			20				25						30		

Arg	Gly	Gly	Cys	Arg	Cys	His	Ser	Arg	Ala	Ala	Leu	His	Pro	His	Pro
	35						40					45			

His	Ala	Ser	Cys	Phe	Thr	Ala	His	Ser	Val	Thr	Glu	Leu	Val	Ala	Leu
	50					55					60				

Gly	Thr	Gly	Gly	His	Pro	His	Thr	Leu	Met	Pro	Thr	Ala	Glu	Gly	Arg
65				70						75					80

Ala	Thr	His	Pro	Ser	Arg	Asp
				85		

<210> 842

<211> 77

<212> PRT

<213> Homo sapiens

<400> 842

Phe	Val	Leu	Leu	His	Cys	Leu	Asn	Ser	His	Leu	His	Leu	Ala	Leu	Gln
1				5					10					15	

Phe	Pro	Leu	Asn	Thr	Leu	Ser	Ser	Pro	Leu	Val	Cys	Cys	Gln	Ser	Ala
			20					25					30		

Ala	Leu	Pro	Ile	Lys	Ala	Cys	Ile	Asn	Tyr	Ile	Cys	Pro	Met	Phe	Thr
	35					40					45				

Phe	Ile	Lys	His	Phe	Pro	Cys	Thr	Pro	Val	Pro	Thr	Ser	Gln	Gln	Thr
	50					55					60				

Arg	Glu	Arg	Ala	Val	Gln	Leu	Met	Ser	Leu	Pro	Ser	Phe
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

65

70

75

<210> 843

<211> 41

<212> PRT

<213> Homo sapiens

<400> 843

Met Ala Phe Pro Arg Val Gly Ala Phe Leu Phe Leu Ala Ser Leu Ser
 1 5 10 15

Ser Leu Leu His Cys Arg Leu Leu Ala Glu Ala Val Ser Gly Arg Ser
 20 25 30

Val Ser Leu Ala Pro Ser Ile Ile Arg
 35 40

<210> 844

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 844

Arg Met Xaa Cys Ser Gln Pro Pro Arg Cys His Phe Gln Ser Asp Phe
 1 5 10 15

Gln Lys Cys Ala Pro Cys Pro Arg Ala Gln Thr His Trp Leu Glu Pro
 20 25 30

Pro Gly Arg Val Gln Thr Ile Ser Ser Met Arg Asn Ala Gln Lys Gly
 35 40 45

Phe Ala Asp Ser Ile Arg Leu Trp Arg Leu Pro Ala Ser Gly Val Gly
 50 55 60

Trp Val Val Ser Pro Pro Ile Gln Thr Gln Glu Val Ala Pro Glu Gly
 65 70 75 80

Met Tyr Leu Val Gly Ser Ser Ser Gly Thr Leu Gly Gly Cys Xaa Ala
 85 90 95
 Leu Thr Gln Tyr Phe Ser Leu Ser Pro Leu Trp Gly Ala Cys Val Arg
 100 105 110
 Ala Arg Val Leu Ala Tyr Ala Phe Leu Cys Gly His Ile Arg Met Pro
 115 120 125
 Leu Gly Glu His Val His Val Ser Pro Pro Glu Arg Ala Cys Val Cys
 130 135 140
 Ala Pro Leu Arg Pro Arg Phe Gly Arg Leu Gly Phe Gly Val Pro Val
 145 150 155 160
 Phe Cys Pro Pro

<210> 845
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 845
 Met Gly Thr Ser Thr Ala Trp Arg Val Pro Trp Arg Arg Trp Ala Arg
 1 5 10 15
 Val Arg Cys Trp Trp Leu Trp Pro Xaa Thr Gly Thr Ala Glu Pro Pro
 20 25 30
 Gly Thr Ala Gly Trp Gln Gly Leu Ala Gly Gly Arg Cys Arg Glu Ala
 35 40 45
 Trp Gly Ser Leu Leu Met Gly Met Phe Gly Leu Cys Phe Leu Pro Val
 50 55 60
 His Ser Gln Ser Cys Leu Ser Ser Ser Ser Ser Pro Thr Pro Arg Pro
 65 70 75 80

<210> 846

<211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 846
 Ile Gly Pro Xaa Gly Pro Arg Asn Ser Xaa Thr Gly Gly Ala Phe Leu
 1 5 10 15
 Asp Phe Ser Ala Gln Ala Lys Lys Lys Lys Xaa Gln Phe Leu Lys Ile
 20 25 30
 Phe Phe Pro Gly Leu Cys Lys Ser Leu Ile Tyr Gly Ile Phe Val Met
 35 40 45
 Gln Arg Asn Thr Leu
 50

<210> 847
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Glu Glu Val Ala Phe Met Val Leu Lys Tyr Val Leu Pro Phe Leu
 1 5 10 15
 Lys Ser Leu Trp Leu His Val Tyr Leu Leu Ala Val Leu Trp Pro Arg
 20 25 30
 Leu Ala Ser Met Ile Ser Phe Gly Ser Arg Leu Phe Gln Ile Val Asp
 35 40 45
 Gly Ala
 50

<210> 848
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 848
 Lys Lys Xaa Pro Xaa Xaa Leu Ser Gly Ser Lys Ala Ile Ala Ser Lys
 1 5 10 15
 Thr Lys Glu Ile Glu Gln Val Tyr Arg Gln Asp Cys Glu Thr Phe Gly
 20 25 30
 Met Val Val Lys Met Leu Ile Glu Lys Asp Pro Ser Leu Glu Lys Ser
 35 40 45
 Ile Gln Phe Ala Leu Arg Gln Asn Leu His Glu Ile Gly Glu Arg Cys
 50 55 60
 Val Glu Glu Leu Lys His Phe Ile Ala Glu Tyr Asp Thr Ser Thr Gln
 65 70 75 80
 Asp Phe Gly Glu Pro Phe
 85

<210> 849
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 849
 Arg Lys Val Glu Gly Gly Ala Ser Gly Leu Asn Gly Phe Pro Asn His
 1 5 10 15

Pro Ser Ser Leu Gly Pro Ala Trp Phe Pro Pro Leu Pro Leu Pro Ser
 20 25 30
 Thr Leu Ser Arg Thr Gly Leu Met Lys Ala Leu Pro Lys Ile Ser Pro
 35 40 45
 Thr Pro Asn Phe Pro Leu Pro Pro Thr Phe Pro Thr Ser Ser Thr Thr
 50 55 60
 Leu Phe Gly Ala Thr Ala Gly Pro Glu Ala Gln Ser Ala Val Ser Gln
 65 70 75 80
 Ala Phe Val His Leu Ser Pro Gln Ser Ile Ser Val Leu Gly Glu Ser
 85 90 95
 His Thr Glu Thr Gln Glu His Pro Leu Pro Glu Leu Arg Glu Val Leu
 100 105 110
 Ser Leu Arg Gly Gly Leu Ser Ala Val Cys Asn Asn Val Val Leu Phe
 115 120 125
 Ile

<210> 850
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 850
 Met Val Gln Arg Leu Trp Val Ser Arg Leu Leu Arg His Arg Lys Ala
 1 5 10 15
 Gln Leu Leu Leu Val Asn Leu Leu Thr Phe Gly Leu Glu Val Cys Leu
 20 25 30

Ala Ala Gly Phe Thr Tyr Val Pro Leu Cys Cys Gly Xaa Xaa Val Xaa
 35 40 45

<210> 851
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 851
 Ile Leu Gln Arg Arg Lys Gln Arg Leu Leu Arg Gly
 1 5 10

<210> 852
 <211> 371
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 852
 Met Leu Phe Pro Ser Phe Ser Arg Ser Leu Val Pro Leu Pro His Ala
 1 5 10 15

Leu Tyr Leu Xaa Gln Pro Leu Thr His Thr Thr Ser Leu Leu Ala Gly
 20 25 30

Ile Gly Pro Val Leu Gly Leu Val Cys Val Pro Leu Leu Gly Ser Ala
 35 40 45

Ser Asp His Trp Arg Gly Arg Tyr Gly Arg Arg Arg Pro Phe Ile Trp
 50 55 60

Ala Leu Ser Leu Gly Ile Leu Leu Ser Leu Phe Leu Ile Pro Arg Ala
 65 70 75 80

Gly Trp Leu Ala Gly Leu Leu Cys Pro Asp Pro Arg Pro Leu Glu Leu
 85 90 95

Ala Leu Leu Ile Leu Gly Val Gly Leu Leu Asp Phe Cys Gly Gln Val
 100 105 110

Cys	Phe	Thr	Pro	Leu	Glu	Ala	Leu	Leu	Ser	Asp	Leu	Phe	Arg	Asp	Pro	115	120	125
Asp	His	Cys	Arg	Gln	Ala	Tyr	Ser	Val	Tyr	Ala	Phe	Met	Ile	Ser	Leu	130	135	140
Gly	Gly	Cys	Leu	Gly	Tyr	Leu	Leu	Pro	Ala	Ile	Asp	Trp	Asp	Thr	Ser	145	150	155
Ala	Leu	Ala	Pro	Tyr	Leu	Gly	Thr	Gln	Glu	Glu	Cys	Leu	Phe	Gly	Leu	165	170	175
Leu	Thr	Leu	Ile	Phe	Leu	Thr	Cys	Val	Ala	Ala	Thr	Leu	Leu	Val	Ala	180	185	190
Glu	Glu	Ala	Ala	Leu	Gly	Pro	Thr	Glu	Pro	Ala	Glu	Gly	Leu	Ser	Ala	195	200	205
Pro	Ser	Leu	Ser	Pro	His	Cys	Cys	Pro	Cys	Arg	Ala	Arg	Leu	Ala	Phe	210	215	220
Arg	Asn	Leu	Gly	Ala	Leu	Leu	Pro	Arg	Leu	His	Gln	Leu	Cys	Cys	Arg	225	230	235
Met	Pro	Arg	Thr	Leu	Arg	Arg	Leu	Phe	Val	Ala	Glu	Leu	Cys	Ser	Trp	245	250	255
Met	Ala	Leu	Met	Thr	Phe	Thr	Leu	Phe	Tyr	Thr	Asp	Phe	Val	Gly	Glu	260	265	270
Gly	Leu	Tyr	Gln	Gly	Val	Pro	Arg	Ala	Glu	Pro	Gly	Thr	Glu	Ala	Arg	275	280	285
Arg	His	Tyr	Asp	Glu	Gly	Lys	Ala	Leu	Ala	Ala	Ser	Arg	Gly	Trp	Cys	290	295	300
Gly	Ser	Arg	Pro	Pro	Glu	Thr	Thr	Leu	Gly	Ala	Val	Ser	Gly	Leu	Val	305	310	315
Pro	Leu	His	Pro	Gly	Pro	Asp	Phe	Ser	Val	Arg	Lys	Val	Gly	Met	Asp	325	330	335
Pro	Ile	Cys	Ile	His	Gly	Phe	Ser	Trp	Val	Trp	Asn	Ile	Ser	Ala	Cys	340	345	350
Gly	Phe	Arg	Lys	Ala	Ser	Gly	Cys	Ser	Arg	Ser	Leu	Ile	Arg	Val	Val	355	360	365
Ala	Pro	Val														370		

<210> 853
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 853
 Met Gly Pro Leu Trp Gly Ala Pro Leu Arg Ala Trp Ala Ala Gly Ser
 1 5 10 15
 Val Gly Cys Pro Cys Cys Leu Ser Cys Ala Ser Pro Ser Ser Ile Ser
 20 25 30
 Ser Ala Gly Asp Pro Leu Ala Ser Cys Ser Thr Cys Gly Ser Thr Trp
 35 40 45
 Glu Ile Pro Leu Thr Trp Met Thr Met Asp His Leu Leu Val Arg Tyr
 50 55 60
 Tyr Leu Ser Gln Ala Arg Trp Cys Thr Thr Gly
 65 70 75

<210> 854
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 854
 Ile Ser Tyr His His Val Lys Ala Ser His Leu Lys Ile Lys Ile Gln
 1 5 10 15
 Ile Ser Leu Lys Pro Glu Val Leu Val Pro Leu His Cys Leu Pro Leu
 20 25 30
 Ser Pro Thr Pro Arg Glu Glu Ser Gly Gly Phe Leu Phe Ser Ile Ala
 35 40 45
 Ile Ala Ala Val Gly Phe Leu Val Gln
 50 55

<210> 855
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 855
 Trp Ala Ser Met Ser Ser Val Phe Gly Leu
 1 5 10

<210> 856
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 856
 Ser Phe Ala Thr Cys
 1 5

<210> 857
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 857
 Met Trp Leu Pro Ala Trp Ala Ala Ile Glu Thr Phe Ser Thr Cys Ser
 1 5 10 15
 Ser Leu Ser Leu Ser Phe Gln Pro Arg Trp Ala Leu Ala Ser Glu Gly
 20 25 30
 Cys Ala Gly Ser Tyr Val Thr Thr His Arg Ala Leu Gly Ala His Leu
 35 40 45
 Trp Pro Leu Trp Ser Asp Gln Phe Leu Gly Lys Gly Leu Gly Leu Arg
 50 55 60
 Ile Pro Phe Ile Thr His Ala His Gln
 65 70

<210> 858
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 858
 Met Ala Gly Glu Glu Met Ala Trp Gly Ala Arg Leu Trp Ile Met Cys
 1 5 10 15
 Xaa Leu Leu Phe Leu Ala Ala Ser Glu Gly Ile Met Pro Arg Leu Arg

	20		25		30
Ala Ser Ala Trp					
35					
<210> 859					
<211> 352					
<212> PRT					
<213> Homo sapiens					
<400> 859					
Val Ser Leu Leu Leu Trp Gly Ile Ser Ile Arg Gly Ala Asp Ala Cys					
1 5 10 15					
Ala Asp Ala His Leu Phe Cys Lys Glu Cys Leu Ile Arg Tyr Ala Gln					
20 25 30					
Glu Ala Val Phe Gly Ser Gly Lys Leu Glu Leu Ser Cys Met Glu Gly					
35 40 45					
Ser Cys Thr Cys Ser Phe Pro Thr Ser Glu Leu Glu Lys Val Leu Pro					
50 55 60					
Gln Thr Ile Leu Tyr Lys Tyr Tyr Glu Arg Lys Ala Glu Glu Glu Val					
65 70 75 80					
Ala Ala Ala Tyr Ala Asp Glu Leu Val Arg Cys Pro Ser Cys Ser Phe					
85 90 95					
Pro Ala Leu Leu Asp Ser Asp Val Lys Arg Phe Ser Cys Pro Asn Pro					
100 105 110					
His Cys Arg Lys Glu Thr Cys Arg Lys Cys Gln Gly Leu Trp Lys Glu					
115 120 125					
His Asn Gly Leu Thr Cys Glu Glu Leu Ala Glu Lys Asp Asp Ile Lys					
130 135 140					
Tyr Arg Thr Ser Ile Glu Glu Lys Met Thr Ala Ala Arg Ile Arg Lys					
145 150 155 160					
Cys His Lys Cys Gly Thr Gly Leu Ile Lys Ser Glu Gly Cys Asn Arg					
165 170 175					
Met Ser Cys Arg Cys Gly Ala Gln Met Cys Tyr Leu Cys Arg Val Ser					
180 185 190					
Ile Asn Gly Tyr Asp His Phe Cys Gln His Pro Arg Ser Pro Gly Ala					
195 200 205					

Pro Cys Gln Glu Cys Ser Arg Cys Ser Leu Trp Thr Asp Pro Thr Glu
 210 215 220
 Asp Asp Glu Lys Leu Ile Glu Glu Ile Gln Lys Glu Ala Glu Glu Glu
 225 230 235 240
 Gln Lys Arg Lys Asn Gly Glu Asn Thr Phe Lys Arg Ile Gly Pro Pro
 245 250 255
 Leu Glu Lys Pro Val Glu Lys Val Gln Arg Val Glu Ala Leu Pro Arg
 260 265 270
 Pro Val Pro Gln Asn Leu Pro Gln Pro Gln Met Pro Pro Tyr Ala Phe
 275 280 285
 Ala His Pro Pro Phe Pro Leu Pro Pro Val Arg Pro Val Phe Asn Asn
 290 295 300
 Phe Pro Leu Asn Met Gly Pro Ile Pro Ala Pro Tyr Val Pro Pro Leu
 305 310 315 320
 Pro Asn Val Arg Val Asn Tyr Asp Phe Gly Pro Ile His Met Pro Leu
 325 330 335
 Glu His Asn Leu Pro Met His Phe Gly Pro Gln Pro Arg His Arg Phe
 340 345 350

<210> 860
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 860
 Met Ile Thr Phe Leu Pro Ile Ile Phe Ser Ile Leu Val Val Val Thr
 1 5 10 15
 Phe Val Ile Gly Asn Phe Ala Asn Gly Phe Ile Ala Leu Val Asn Ser
 20 25 30
 Thr Glu Trp Val Lys Arg Gln Lys Ile Ser Phe Ala Asp Gln Ile Val
 35 40 45
 Thr Ala Leu Ala Val Ser Arg Val Gly Leu Leu Trp Val Leu Leu
 50 55 60

<210> 861
<211> 8
<212> PRT
<213> Homo sapiens

<400> 861
Leu Thr Met Leu Phe Asn Val Ile
1 5

<210> 862
<211> 7
<212> PRT
<213> Homo sapiens

<400> 862
Thr Tyr Ile His Phe Leu Asp
1 5

<210> 863
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 863
Thr Glu Glu Phe Lys Tyr Ala Val Ser Cys Asn Cys Gly Thr Ala Ala
1 5 10 15

Trp Val Arg Val Arg Glu Arg Glu Arg Lys Arg Glu Lys Lys Lys Lys
20 25 30

Lys Arg Xaa Ala Ala Leu Glu Asp Pro Ser Arg Gly Pro Ser Leu Arg
35 40 45

Val His Ala Thr Ser
50

<210> 864
<211> 22
<212> PRT
<213> Homo sapiens

<400> 864

Leu Val Leu Phe Ile Thr Leu Leu Pro Gly Lys Leu Ala His Ser Trp
1 5 10 15

His Thr Val Asn Val Gln
20

<210> 865

<211> 2

<212> PRT

<213> Homo sapiens

<400> 865

Gly Cys
1

<210> 866

<211> 40

<212> PRT

<213> Homo sapiens

<400> 866

Met Ile Leu Tyr Ile Cys Leu Leu Leu Lys Ile Trp Gly Cys Ser Leu
1 5 10 15

Pro Cys Asn Phe Ser Phe Pro Leu Asp Leu Arg Lys Val Met Asp Phe
20 25 30

Gln Phe Val Gln His Phe Phe Leu
35 40

<210> 867

<211> 7

<212> PRT

<213> Homo sapiens

<400> 867

Ser Phe Cys Met Gly Thr Met
1 5

<210> 868

<211> 86

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 868
 Ser Xaa Ile Val Gly Leu Ala Ile Trp Arg Gly Gly Leu Cys Gln Glu
 1 5 10 15
 Leu Pro Leu Glu Arg Phe Leu Leu Xaa Thr Val Phe Gly Ser Asp Leu
 20 25 30
 Ser Leu Leu Ser Gly Gly Asp Leu Cys Leu Glu Leu Leu Gly Gly Leu
 35 40 45
 Cys Leu Glu Val Cys Leu Arg Gly Asp Ile Cys Leu Gly Pro Leu Arg
 50 55 60
 Val Ser Val Ser Glu Leu Ser Leu Leu Cys Leu Ser Val Gln Gly Gln
 65 70 75 80
 Gln Lys Val Cys Pro Phe
 85

<210> 869
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 869
 Lys Ile Leu Val Ser Tyr Leu Met Pro Gly Met Met Arg Ile Glu Asn
 1 5 10 15
 Phe Ser Ile Phe Met Cys Leu Thr Gly Cys Leu Gly Ile Asn Phe Ala
 20 25 30
 Phe

<210> 870
 <211> 288
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (230)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (270)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (275)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 870

Met	Ala	Arg	Ile	Ser	Phe	Ser	Tyr	Leu	Cys	Pro	Ala	Ser	Trp	Tyr	Phe
1				5				10						15	

Thr	Val	Pro	Thr	Val	Ser	Pro	Phe	Leu	Arg	Gln	Arg	Val	Ala	Phe	Leu
			20					25					30		

Gly	Leu	Phe	Phe	Ile	Ser	Cys	Leu	Leu	Leu	Leu	Met	Leu	Ile	Ile	Asp
		35					40					45			

Phe	Arg	His	Trp	Ser	Ala	Ser	Leu	Pro	Arg	Asp	Arg	Gln	Tyr	Glu	Arg
	50					55					60				

Tyr	Leu	Ala	Arg	Val	Gly	Glu	Leu	Glu	Ala	Thr	Asp	Thr	Glu	Asp	Pro
65					70					75					80

Asn	Leu	Asn	Tyr	Gly	Leu	Xaa	Val	Asp	Cys	Gly	Ser	Ser	Gly	Ser	Arg	85	90	95	
Ile	Phe	Xaa	Tyr	Phe	Trp	Pro	Arg	His	Asn	Gly	Asn	Pro	His	Asp	Leu	100	105	110	
Leu	Asp	Ile	Lys	Gln	Met	Arg	Asp	Arg	Asn	Ser	Gln	Pro	Val	Val	Lys	115	120	125	
Lys	Ile	Lys	Pro	Gly	Ile	Ser	Ala	Met	Ala	Asp	Thr	Pro	Glu	His	Ala	130	135	140	
Ser	Asp	Tyr	Leu	Arg	Pro	Leu	Leu	Ser	Phe	Ala	Ala	Ala	His	Val	Pro	145	150	155	160
Val	Lys	Lys	His	Lys	Glu	Thr	Pro	Leu	Tyr	Ile	Leu	Cys	Thr	Ala	Gly	165	170	175	
Met	Arg	Leu	Leu	Pro	Glu	Arg	Lys	Gln	Leu	Ala	Ile	Leu	Ala	Asp	Leu	180	185	190	
Val	Lys	Asp	Leu	Pro	Leu	Glu	Phe	Asp	Phe	Leu	Phe	Ser	Gln	Ser	Gln	195	200	205	
Ala	Glu	Val	Ile	Ser	Gly	Lys	Gln	Glu	Gly	Val	Tyr	Ala	Trp	Ile	Gly	210	215	220	
Ile	Asn	Phe	Val	Leu	Xaa	Arg	Phe	Asp	His	Glu	Asp	Glu	Ser	Asp	Ala	225	230	235	240
Glu	Ala	Thr	Gln	Glu	Leu	Ala	Ala	Gly	Arg	Arg	Arg	Thr	Val	Gly	Ile	245	250	255	
Leu	Asp	Met	Gly	Gly	Ala	Xaa	Xaa	Gln	Ile	Ala	Tyr	Glu	Xaa	Pro	Thr	260	265	270	
Phe	Pro	Xaa	Lys	Lys	Thr	Pro	Pro	Leu	Phe	Pro	Leu	Leu	Gly	Gly	Ile	275	280	285	

<210> 871
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 871

Pro Leu Gly Arg Glu Pro Leu Ala Gly Phe Leu Ser Phe Leu Ser Phe
1 5 10 15

Ser Leu Leu Trp Cys Leu Glu Ala Phe Pro Arg Leu Gln Phe Leu Thr
20 25 30

Thr Leu Thr Asp Phe Ala Ile Val Leu Ser Pro Pro Leu Ser Phe Pro
35 40 45

Lys Leu Thr Leu Trp Arg Leu Ile Lys Arg Lys Asn His Arg Pro Gly
50 55 60

Ala Xaa Leu Thr Pro Arg Arg Arg Ala Asn His Leu Arg Cys Gly Val
65 70 75 80

Arg Asp Gln Pro Asp Gln Asn Arg Glu Thr Pro Ser Leu Leu Asn Asn
85 90 95

Thr Lys Leu Ala Gly Arg Gly Gly Ala Arg Leu
100 105

<210> 872

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 872

Ser Trp Val Ile Val Val Xaa Ile Trp Gly Tyr Leu Leu Glu Gly His
1 5 10 15

Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Xaa Pro Trp Lys Leu His
20 25 30

Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg Ile
35 40 45

Leu Gly Asn Ser Pro Cys Pro Val Leu Ile His Cys Ser Phe Ser Gly
 50 55 60

<210> 873
 <211> 14
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 873
 Trp Lys Gly Leu Leu Glu Gly Ser Xaa Glu Ala Thr Met Xaa
 1 5 10

<210> 874
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 874
 Met Ser Trp Val Ile Val Val Ile Ile Trp Gly Tyr Leu Leu Glu Gly
 1 5 10 15

His Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Ser Pro Trp Lys Leu
 20 25 30

His Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg
 35 40 45

Ile Leu Glu Thr Leu Met Ser Gly Ser Thr His Cys Ser Phe Ser Gly
 50 55 60

Thr Phe
 65

<210> 875
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 875
 Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
 1 5 10 15
 Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Xaa Tyr
 20 25 30
 Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
 35 40 45
 Ser Ser His Ser Pro Arg Thr Trp Xaa Thr Pro Ser Ser Gln Thr Lys
 10 55 60
 Ala Ala Leu Pro Ala Gly Gly Ala Arg Asn Ser Pro Leu Gln Leu Cys
 65 70 75 80
 Thr Arg Ser Arg Phe Cys Gly Thr Pro Met
 85 90

<210> 876
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 876
 Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
 1 5 10 15
 Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Phe Tyr
 20 25 30
 Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
 35 40 45
 Ser Ser His Ser Pro Arg Gly Pro Gly Gly His Pro Ala Leu Arg Gln

50		55		60											
Arg	Leu	Pro	Cys	Arg	Arg	Gly	Glu	Pro	Glu	Thr	Ala	Leu	Cys	Ser	Ser
65					70					75					80
Ala	Pro	Gly	Ala	Gly	Phe	Ala	Glu	Pro	Pro	Cys	Lys	Ala	Ser	Pro	Gly
				85					90					95	
Trp	Gly	Pro	Pro	Ser	Arg	Gly	Pro	Gln	Gly	Asp	Arg	Ser	Gln	Gly	Glu
			100					105					110		
Trp	Leu	Pro	Ala	Leu	Gly	Thr	Pro	Cys	Gly	Gly	Pro	Asp	Asp	Ser	
	115						120					125			

<210> 877
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 877															
Met	Ala	Gly	Gln	Phe	Arg	Ser	Tyr	Val	Trp	Asp	Pro	Leu	Leu	Ile	Leu
1				5					10					15	
Ser	Gln	Ile	Val	Leu	Met	Gln	Thr	Val	Tyr	Tyr	Gly	Ser	Leu	Gly	Leu
			20					25					30		
Trp	Leu	Ala	Leu	Val	Asp	Gly	Leu	Val	Arg	Xaa	Ala	Pro	Arg	Trp	Thr
	35						40					45			
Arg	Cys	Ser	Thr	Pro	Arg	Ser	Trp	Ala	Phe	Pro	Pro	Leu	Gln	Ala	Gly
	50					55					60				
Ser	Pro														
65															

<210> 878
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 878

Thr	Gln	Ile	Pro	Thr	His	Ile	Ser	Arg	Tyr	Thr	Pro	Leu	His	Ser	Ser
1				5				10					15		

Leu	Gly	Asn	Arg	Ala	Arg	Leu	Arg	Leu	Lys	Lys	Xaa	Lys	Ile	Lys	Tyr
		20					25						30		

Ala	Tyr	Leu	Cys	Pro	Pro	Ser	Leu	Lys	Gln	Leu	Leu	Asn	Tyr	Ala	Val
	35						40					45			

Ile	Asn	Gly	Leu	Ser	Ser	Ala	Asn	Tyr	Phe	Cys	Leu	Tyr	Thr	Lys	Val
	50					55					60				

Pro	Gln	Ala	Met	Leu	Leu	Leu	Ala	Ser	Gly	Leu	Ser	Ser	Ala	Phe	Pro
65				70						75					80

Tyr	Asp	Ser	Leu	Gly	Phe	Thr	Leu	Ser	Met	Leu	Leu	Phe	Phe	Glu	Arg
			85						90					95	

Asn	Lys	Ser	Arg	Val	Glu	Val	Leu	Ala	Lys	Glu	Pro	Ser	Ala	Pro	Ser
		100						105					110		

Ser	Tyr	Trp	Asp	Ser	Glu	Asn	Arg	Gly	Cys	Gln	Leu
	115						120				

<210> 879

<211> 39

<212> PRT

<213> Homo sapiens

<400> 879

Met	Ala	Gly	Gln	Phe	Arg	Ser	Tyr	Val	Trp	Asp	Pro	Leu	Leu	Ile	Leu
1				5					10					15	

Ser	Gln	Ser	Ser	Ser	Cys	Arg	Pro	Cys	Ile	Thr	Ala	Arg	Trp	Ala	Cys
		20						25					30		

Gly	Trp	Arg	Trp	Trp	Thr	Gly
		35				

<210> 880

<211> 67

<212> PRT

<213> Homo sapiens

<400> 880

Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu
65

<210> 881
<211> 86
<212> PRT
<213> Homo sapiens

<400> 881
Met Ser Leu Cys Arg Ile Leu Gly Tyr Ser Phe Ser Ser Arg Leu Ser
1 5 10 15

Ser Leu Ile Leu Pro Leu Ala Val Phe His Tyr Cys Leu Ser Cys Pro
20 25 30

Leu His Phe Lys Leu Ser Phe Lys Tyr Leu Pro Phe Pro Ser Phe Pro
35 40 45

Phe Ser Ser Leu Pro Cys Pro Ala Leu Pro Cys Pro Ala Leu Pro Ser
50 55 60

Pro Pro Leu Pro Cys Pro Pro Leu Pro Ser Pro Pro Leu Pro Leu Pro
65 70 75 80

Ser Leu Ser Phe Phe Arg
85

<210> 882
<211> 55
<212> PRT
<213> Homo sapiens

<400> 882
Met Cys Val Gly Leu Phe Leu Ser Ser Val Phe Phe His Ile Cys Val
1 5 10 15

His Pro Phe Ala Asn Ala Thr Leu Ser Cys Leu Leu Glu Ile Gly Lys
20 25 30

Leu Cys Glu Ser Phe Asn Phe Val Leu Phe Gln Ile Val Leu Ala Ile
35 40 45

Leu Val Pro Leu Thr Phe Ile
50 55

<210> 883

<211> 73

<212> PRT

<213> Homo sapiens

<400> 883

Thr Leu Phe Val Ser Tyr Gln Leu Ser Asn Pro Gln Tyr Ser Ser Phe
1 5 10 15

Ile Ser Gln Asn Arg Lys Leu Lys Gln Arg Glu Glu Lys Leu His Glu
20 25 30

Arg Phe Tyr Thr Ala Val Arg Ser Leu Asn Trp Ile Leu Asn Leu Ala
35 40 45

Phe Trp Leu Glu Ser Pro Ser Phe Tyr Gln Leu Cys Ile Ala Val Arg
50 55 60

Val Asp Ser Pro Trp Lys Gly Lys Ser
65 70

<210> 884

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 884

Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Xaa Ile
1 5 10 15

Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Xaa Phe Ser Ile
 20 25 30

Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
 35 40 45

<210> 885
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 885
 Met Lys Pro Pro Pro Leu Phe Phe Phe Leu Lys Ile Val Leu Ala Ile
 1 5 10 15

Trp Gly Pro Leu Trp Phe His Met Asn Phe Arg Phe Val Phe Ser Ile
 20 25 30

Ser Met Lys Asn Ala Ile Gly Ile Leu Ile Gly Ile Ala Leu Asn Leu
 35 40 45

<210> 886
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (199)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 886

Met	Leu	Gly	Ala	Arg	Ala	Trp	Leu	Gly	Arg	Val	Leu	Leu	Leu	Pro	Arg	
1				5					10					15		
Ala	Gly	Ala	Gly	Leu	Ala	Ala	Ser	Arg	Arg	Cys	Pro	Gly	Val	Trp	Pro	
			20					25					30			
Arg	Thr	Trp	Pro	His	Arg	Ser	Pro	Ser	Arg	Gly	Ser	Ser	Ser	Arg	Asp	
		35					40					45				
Lys	Asp	Arg	Ser	Ala	Thr	Val	Ser	Ser	Ser	Val	Pro	Met	Pro	Ala	Gly	
	50					55					60					
Gly	Lys	Gly	Ser	His	Pro	Ser	Ser	Thr	Pro	Gln	Arg	Val	Pro	Asn	Arg	
65					70					75					80	
Leu	Ile	His	Glu	Lys	Ser	Pro	Tyr	Leu	Leu	Gln	His	Ala	Tyr	Asn	Pro	
				85					90					95		
Val	Asp	Trp	Tyr	Pro	Trp	Gly	Gln	Glu	Ala	Phe	Asp	Lys	Ala	Arg	Lys	
			100					105					110			
Glu	Asn	Lys	Pro	Ile	Phe	Leu	Ser	Val	Gly	Tyr	Ser	Thr	Cys	His	Trp	
		115					120					125				
Cys	His	Met	Met	Glu	Glu	Glu	Ser	Phe	Gln	Asn	Glu	Glu	Ile	Gly	Arg	
	130					135					140					
Leu	Leu	Ser	Glu	Asp	Phe	Val	Ser	Val	Lys	Val	Asp	Arg	Glu	Glu	Arg	
145					150					155					160	
Pro	Asp	Val	Asp	Lys	Val	Tyr	Met	Thr	Phe	Val	Gln	Ala	Thr	Ser	Ser	
				165					170					175		
Gly	Gly	Gly	Trp	Pro	Met	Asn	Val	Trp	Leu	Thr	Pro	Asn	Leu	Gln	Pro	
			180					185					190			
Phe	Val	Gly	Gly	Thr	Ile	Xaa	Leu	Leu	Lys	Asp	Gly	Leu	Xaa	Arg	Val	
		195					200					205				
Gly	Ser	Ala	Gln	Cys	Xaa											
	210															

<210> 887

<211> 43

<212> PRT

<213> Homo sapiens

<400> 887

Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg

1	5	10	15
Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Ser Ala Cys Ser Pro Thr	20	25	30
Ser Arg Leu Asn Ser Leu Arg Ser Leu Ile Pro	35	40	

<210> 888
 <211> 802
 <212> PRT
 <213> Homo sapiens

<400> 888
Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
1 5 10 15
Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Cys Pro Gly Val Trp Pro
20 25 30
Arg Thr Trp Pro His Arg Ser Pro Ser Arg Gly Ser Ser Ser Arg Asp
35 40 45
Lys Asp Arg Ser Ala Thr Val Ser Ser Ser Val Pro Met Pro Ala Gly
50 55 60
Gly Lys Gly Ser His Pro Ser Ser Thr Pro Gln Arg Val Pro Asn Arg
65 70 75 80
Leu Ile His Glu Lys Ser Pro Tyr Leu Leu Gln His Ala Tyr Asn Pro
85 90 95
Val Asp Trp Tyr Pro Trp Gly Gln Glu Ala Phe Asp Lys Ala Arg Lys
100 105 110
Glu Asn Lys Pro Ile Phe Leu Ser Val Gly Tyr Ser Thr Cys His Trp
115 120 125
Cys His Met Met Glu Glu Glu Ser Phe Gln Asn Glu Glu Ile Gly Arg
130 135 140
Leu Leu Ser Glu Asp Phe Val Ser Val Lys Val Asp Arg Glu Glu Arg
145 150 155 160
Pro Asp Val Asp Lys Val Tyr Met Thr Phe Val Gln Ala Thr Ser Ser
165 170 175
Gly Gly Gly Trp Pro Met Asn Val Trp Leu Thr Pro Asn Leu Gln Pro
180 185 190

Phe	Val	Gly	Gly	Thr	Tyr	Phe	Pro	Pro	Glu	Asp	Gly	Leu	Thr	Arg	Val		
		195					200					205					
Gly	Phe	Arg	Thr	Val	Leu	Leu	Arg	Ile	Arg	Glu	Gln	Trp	Lys	Gln	Asn		
	210					215					220						
Lys	Asn	Thr	Leu	Leu	Glu	Asn	Ser	Gln	Arg	Val	Thr	Thr	Ala	Leu	Leu		
225					230					235					240		
Ala	Arg	Ser	Glu	Ile	Ser	Val	Gly	Asp	Arg	Gln	Leu	Pro	Pro	Ser	Ala		
				245				250						255			
Ala	Thr	Val	Asn	Asn	Arg	Cys	Phe	Gln	Gln	Leu	Asp	Glu	Gly	Tyr	Asp		
			260					265					270				
Glu	Glu	Tyr	Gly	Gly	Phe	Ala	Glu	Ala	Pro	Lys	Phe	Pro	Thr	Pro	Val		
		275					280					285					
Ile	Leu	Ser	Phe	Leu	Phe	Ser	Tyr	Trp	Leu	Ser	His	Arg	Leu	Thr	Gln		
	290					295					300						
Asp	Gly	Ser	Arg	Ala	Gln	Gln	Met	Ala	Leu	His	Thr	Leu	Lys	Met	Met		
305					310					315					320		
Ala	Asn	Gly	Gly	Ile	Arg	Asp	His	Val	Gly	Gln	Gly	Phe	His	Arg	Tyr		
				325					330					335			
Ser	Thr	Asp	Arg	Gln	Trp	His	Val	Pro	His	Phe	Glu	Lys	Met	Leu	Tyr		
			340					345					350				
Asp	Gln	Ala	Gln	Leu	Ala	Val	Ala	Tyr	Ser	Gln	Ala	Phe	Gln	Leu	Ser		
		355					360					365					
Gly	Asp	Glu	Phe	Tyr	Ser	Asp	Val	Ala	Lys	Gly	Ile	Leu	Gln	Tyr	Val		
	370					375					380						
Ala	Arg	Ser	Leu	Ser	His	Arg	Ser	Gly	Gly	Phe	Tyr	Ser	Ala	Glu	Asp		
385					390					395					400		
Ala	Asp	Ser	Pro	Pro	Glu	Arg	Gly	Gln	Arg	Pro	Lys	Glu	Gly	Ala	Tyr		
				405					410					415			
Tyr	Val	Trp	Thr	Val	Lys	Glu	Val	Gln	Gln	Leu	Leu	Pro	Glu	Pro	Val		
			420					425					430				
Leu	Gly	Ala	Thr	Glu	Pro	Leu	Thr	Ser	Gly	Gln	Leu	Leu	Met	Lys	His		
	435						440					445					
Tyr	Gly	Leu	Thr	Glu	Ala	Gly	Asn	Ile	Ser	Pro	Ser	Gln	Asp	Pro	Lys		
	450					455					460						
Gly	Glu	Leu	Gln	Gly	Gln	Asn	Val	Leu	Thr	Val	Arg	Tyr	Ser	Leu	Glu		

465		470		475		480
Leu Thr Ala Ala Arg Phe Gly Leu Asp Val Glu Ala Val Arg Thr Leu						
		485		490		495
Leu Asn Ser Gly Leu Glu Lys Leu Phe Gln Ala Arg Lys His Arg Pro						
		500		505		510
Lys Pro His Leu Asp Ser Lys Met Leu Ala Ala Trp Asn Gly Leu Met						
		515		520		525
Val Ser Gly Tyr Ala Val Thr Gly Ala Val Leu Gly Gln Asp Arg Leu						
		530		535		540
Ile Asn Tyr Ala Thr Asn Gly Ala Lys Phe Leu Lys Arg His Met Phe						
		545		550		555
Asp Val Ala Ser Gly Arg Leu Met Arg Thr Cys Tyr Thr Gly Pro Gly						
		565		570		575
Gly Thr Val Glu His Ser Asn Pro Pro Cys Trp Gly Phe Leu Glu Asp						
		580		585		590
Tyr Ala Phe Val Val Arg Gly Leu Leu Asp Leu Tyr Glu Ala Ser Gln						
		595		600		605
Glu Ser Ala Trp Leu Glu Trp Ala Leu Arg Leu Gln Asp Thr Gln Asp						
		610		615		620
Arg Leu Phe Trp Asp Ser Gln Gly Gly Gly Tyr Phe Cys Ser Glu Ala						
		625		630		635
Glu Leu Gly Ala Gly Leu Pro Leu Arg Leu Lys Asp Asp Gln Asp Gly						
		645		650		655
Ala Glu Pro Ser Ala Asn Ser Val Ser Ala His Asn Leu Leu Arg Leu						
		660		665		670
His Gly Phe Thr Gly His Lys Asp Trp Met Asp Lys Cys Val Cys Leu						
		675		680		685
Leu Thr Ala Phe Ser Glu Arg Met Arg Arg Val Pro Val Ala Leu Pro						
		690		695		700
Glu Met Val Arg Ala Leu Ser Ala Gln Gln Gln Thr Leu Lys Gln Ile						
		705		710		715
Val Ile Cys Gly Asp Arg Gln Ala Lys Asp Thr Lys Ala Leu Val Gln						
		725		730		735
Cys Val His Ser Val Tyr Ile Pro Asn Lys Val Leu Ile Leu Ala Asp						
		740		745		750

Gly Asp Pro Ser Ser Phe Leu Ser Arg Gln Leu Pro Phe Leu Ser Thr
755 760 765

Leu Arg Arg Leu Glu Asp Gln Ala Thr Ala Tyr Val Cys Glu Asn Gln
770 775 780

Ala Cys Ser Val Pro Ile Thr Asp Pro Cys Glu Leu Arg Lys Leu Leu
785 790 795 800

His Pro

<210> 889

<211> 98

<212> PRT

<213> Homo sapiens

<400> 889

Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15

Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30

Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45

Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60

Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80

Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95

Leu Pro

<210> 890

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 890

Cys Ala Val Arg Phe Arg Glu Gln Xaa Ala Pro Glu Arg Val Phe Leu
1 5 10 15

Pro Thr Arg Gly Arg Lys Ser Glu Pro
20 25

<210> 891

<211> 22

<212> PRT

<213> Homo sapiens

<400> 891

Leu Pro Arg Pro Cys Ala Pro Ser Pro Val Trp Arg Gln Val Gly Arg
1 5 10 15

Glu Glu Ala Ser Leu Leu
20

<210> 892

<211> 98

<212> PRT

<213> Homo sapiens

<400> 892

Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
1 5 10 15

Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
20 25 30

Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro
35 40 45

Ala Ala Ala Ala Leu Leu Ala Pro Leu Leu His Asp Ala Leu Gly Ala
50 55 60

Cys Gly Phe Gln Gly Pro Glu Tyr Leu Leu Pro Cys Leu Leu Pro Leu
65 70 75 80

Pro Lys Pro Gly Gln Leu Gln Gly Pro Trp Gly Pro Leu Trp Ala Leu
85 90 95

Leu Pro

<210> 893
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 893
 Ser Lys Ser Asn Pro Lys Pro Arg Cys Gln Lys Gly Thr Pro Trp Val
 1 5 10 15
 Ile Arg Pro His Phe His Ser Asp Gly Val Ala Ser Ser Lys Thr Gly
 20 25 30
 Leu Thr Val Phe Gln Met Ser Gly Leu Gln Ala Pro Ile Pro Ser Arg
 35 40 45
 Cys Ser Ala Ala Ala Leu Ile Leu Arg Gly Gly Leu Pro Cys Thr Pro
 50 55 60
 Leu Glu Ala Phe His Trp Gly Asn Cys Leu Pro Gly Ser Ala Leu Arg
 65 70 75 80
 Ile Arg Ile Ala Lys Ala Gly Gln Ser Leu Pro Gln Gly Cys Ser Thr
 85 90 95
 Gly Gln Ala

<210> 894
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 894
 Met Lys Pro Ala Thr Ala Ser Ala Leu Leu Leu Leu Leu Gly Leu
 1 5 10 15
 Ala Trp Thr Gln Gly Ser His Gly Trp Gly Ala Asp Ala Ser Ser Leu
 20 25 30
 Gln Lys Arg Ala Gly Arg Ala Asp Gln Val Ser Leu Cys Pro Gln Val
 35 40 45
 Thr Leu Gln Gly Pro Trp Ser Pro Leu Ala Leu Leu Pro Gly Leu Gly
 50 55 60
 Asn Leu Lys Phe Ser Phe Thr Pro Pro Phe Asn Gly Phe Leu Ser Arg
 65 70 75 80

Val Gln Asp Gly Arg Arg Trp Gln Leu
85

<210> 895
<211> 73
<212> PRT
<213> Homo sapiens

<400> 895
Met Ala Gly Asn Ile Gln Ala Val Glu Thr Gly Tyr Val Leu Ile Cys
1 5 10 15
Leu Ile Val Pro Leu Leu Leu Cys Gly Leu Arg Glu Gly Gln Glu Val
20 25 30
Pro Phe Asp Val Asn Lys Ala Lys Tyr Leu Pro Thr Phe Leu Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Lys Lys Lys Lys Ile
65 70

<210> 896
<211> 72
<212> PRT
<213> Homo sapiens

<400> 896
Met Ala Gly Asn Ile Gln Ala Val Glu Thr Gly Tyr Val Leu Ile Cys
1 5 10 15
Leu Ile Val Pro Leu Leu Leu Cys Gly Leu Arg Glu Gly Gln Glu Val
20 25 30
Pro Phe Asp Val Asn Lys Ala Lys Tyr Leu Pro Thr Phe Leu Lys Lys
35 40 45
Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
50 55 60
Lys Lys Lys Lys Lys Lys Lys Lys
65 70

<210> 897

<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 897
Met Tyr Val Trp Val Ser Gly Ala Leu Val Leu Val Leu Ser Pro His
1 5 10 15
Pro Ala Ser Arg Thr Leu Cys Leu Met Xaa Gln Ala Xaa
20 25

<210> 898
<211> 80
<212> PRT
<213> Homo sapiens

<400> 898
Pro His Cys Ala Ser Arg Ala Val Pro Tyr Pro Pro Gly Pro Ala Ala
1 5 10 15
Ala Ala Phe Pro Arg Gln Gly Leu Gln Leu Ala Thr Thr Cys Gly His
20 25 30
Ser Ser Asp Pro Ala Cys Phe Gly Gln Cys Pro Cys His Leu Cys Ala
35 40 45
Asn His Pro Gly Tyr Leu Trp Ser Tyr Arg Val His Leu Ser Pro Gln
50 55 60
Pro His Leu His Pro Pro Gln His Leu Leu Pro Pro His Cys Thr Leu
65 70 75 80

<210> 899
<211> 29
<212> PRT

<213> Homo sapiens

<400> 899

Met Tyr Val Trp Val Ser Gly Ala Leu Val Leu Val Leu Ser Pro His
1 5 10 15

Pro Ala Ser Arg Thr Leu Cys Leu Met Ala Gln Ala Val
20 25

<210> 900

<211> 53

<212> PRT

<213> Homo sapiens

<400> 900

Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Asn Glu Leu
35 40 45

Ala Thr Thr Leu Met
50

<210> 901

<211> 46

<212> PRT

<213> Homo sapiens

<400> 901

Met Arg Ile Pro Val Phe Pro Lys Gln Leu Met Phe Thr Gly Leu Val
1 5 10 15

Phe Leu Leu Leu Leu Ser Lys Asp Glu Gly Ile His Asn Arg Leu Ser
20 25 30

Leu Glu Asn Thr Asn Asp Gly Gln Leu Phe Gly Val Ile Lys
35 40 45

<210> 902

<211> 19

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 902
 Met Pro Phe Thr Leu Gly Xaa Thr Arg Arg Xaa Arg Gly Leu Ala Lys
 1 5 10 15

Lys Pro Lys

<210> 903
 <211> 531
 <212> PRT
 <213> Homo sapiens

<400> 903
 Met Leu Cys Ala Leu Leu Leu Pro Ser Leu Leu Gly Ala Thr Arg
 1 5 10 15

Ala Ser Pro Thr Ser Gly Pro Gln Glu Cys Ala Lys Gly Ser Thr Val
 20 25 30

Trp Cys Gln Asp Leu Gln Thr Ala Ala Arg Cys Gly Ala Val Gly Tyr
 35 40 45

Cys Gln Gly Ala Val Trp Asn Lys Pro Thr Ala Lys Ser Leu Pro Cys
 50 55 60

Asp Val Cys Gln Asp Ile Ala Ala Ala Ala Gly Asn Gly Leu Asn Pro
 65 70 75 80

Asp Ala Thr Glu Ser Asp Ile Leu Ala Leu Val Met Lys Thr Cys Glu
 85 90 95

Trp Leu Pro Ser Gln Glu Ser Ser Ala Gly Cys Lys Trp Met Val Asp
 100 105 110

Ala His Ser Ser Ala Ile Leu Ser Met Leu Arg Gly Ala Pro Asp Ser
 115 120 125

Ala Pro Ala Gln Val Cys Thr Ala Leu Ser Leu Cys Glu Pro Leu Gln
 130 135 140

Arg	His	Leu	Ala	Thr	Leu	Arg	Pro	Leu	Ser	Lys	Glu	Asp	Thr	Phe	Glu	145	150	155	160
Ala	Val	Ala	Pro	Phe	Met	Ala	Asn	Gly	Pro	Leu	Thr	Phe	His	Pro	Arg	165	170	175	
Gln	Ala	Pro	Glu	Gly	Ala	Leu	Cys	Gln	Asp	Cys	Val	Arg	Gln	Val	Ser	180	185	190	
Arg	Leu	Gln	Glu	Ala	Val	Arg	Ser	Asn	Leu	Thr	Leu	Ala	Asp	Leu	Asn	195	200	205	
Ile	Gln	Glu	Gln	Cys	Glu	Ser	Leu	Gly	Pro	Gly	Leu	Ala	Val	Leu	Cys	210	215	220	
Lys	Asn	Tyr	Leu	Phe	Gln	Phe	Phe	Val	Pro	Ala	Asp	Gln	Ala	Leu	Arg	225	230	235	240
Leu	Leu	Pro	Pro	Gln	Glu	Leu	Cys	Arg	Lys	Gly	Gly	Phe	Cys	Glu	Glu	245	250	255	
Leu	Gly	Ala	Pro	Ala	Arg	Leu	Thr	Gln	Val	Val	Ala	Met	Asp	Gly	Val	260	265	270	
Pro	Ser	Leu	Glu	Leu	Gly	Leu	Pro	Arg	Lys	Gln	Ser	Glu	Met	Gln	Met	275	280	285	
Lys	Ala	Gly	Val	Thr	Cys	Glu	Val	Cys	Met	Asn	Val	Val	Gln	Lys	Leu	290	295	300	
Asp	His	Trp	Leu	Met	Ser	Asn	Ser	Ser	Glu	Leu	Met	Ile	Thr	His	Ala	305	310	315	320
Leu	Glu	Arg	Val	Cys	Ser	Val	Met	Pro	Ala	Ser	Ile	Thr	Lys	Glu	Cys	325	330	335	
Ile	Ile	Leu	Val	Asp	Thr	Tyr	Ser	Pro	Ser	Leu	Val	Gln	Leu	Val	Ala	340	345	350	
Lys	Ile	Thr	Pro	Glu	Lys	Val	Cys	Lys	Phe	Ile	Arg	Leu	Cys	Gly	Asn	355	360	365	
Arg	Arg	Arg	Ala	Arg	Ala	Val	His	Asp	Ala	Tyr	Ala	Ile	Val	Pro	Ser	370	375	380	
Pro	Glu	Trp	Asp	Ala	Glu	Asn	Gln	Gly	Ser	Phe	Cys	Asn	Gly	Cys	Lys	385	390	395	400
Arg	Leu	Leu	Thr	Val	Ser	Ser	His	Asn	Leu	Glu	Ser	Lys	Ser	Thr	Lys	405	410	415	

Arg Asp Ile Leu Val Ala Phe Lys Gly Gly Cys Ser Ile Leu Pro Leu
 420 425 430
 Pro Tyr Met Ile Gln Cys Lys His Phe Val Thr Gln Tyr Glu Pro Val
 435 440 445
 Leu Ile Glu Ser Leu Lys Asp Met Met Asp Pro Val Ala Val Cys Lys
 450 455 460
 Lys Val Gly Ala Cys His Gly Pro Arg Thr Pro Leu Leu Gly Thr Asp
 465 470 475 480
 Gln Cys Ala Leu Gly Pro Ser Phe Trp Cys Arg Ser Gln Glu Ala Ala
 485 490 495
 Ser Cys Ala Thr Leu Cys Asn Thr Ala Arg Ser Met Tyr Gly Lys Arg
 500 505 510
 Cys Thr Ser Thr Leu Gly Asn Thr Arg Asp Arg Gly Cys Gln Arg Pro
 515 520 525
 Arg Ala Cys
 530

<210> 904
 <211> 498
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (398)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
 Glu Ala Leu Gly Gly Arg Cys Leu Trp Glu Xaa Pro Val Thr Phe Thr
 1 5 10 15
 Val His Phe Xaa Asp Asn Ser Gly Asp Val Phe His Ala His Ser Ser
 20 25 30

Val	Leu	Asn	Phe	Ala	Thr	Asn	Arg	Asp	Asp	Phe	Val	Gln	Ile	Gly	Lys		
		35					40					45					
Gly	Pro	Thr	Asn	Asn	Thr	Cys	Val	Val	Arg	Thr	Val	Ser	Val	Gly	Leu		
	50					55					60						
Thr	Leu	Leu	Arg	Val	Trp	Asp	Ala	Glu	His	Pro	Gly	Leu	Ser	Asp	Phe		
65					70					75					80		
Met	Pro	Leu	Pro	Val	Leu	Gln	Ala	Ile	Ser	Pro	Glu	Leu	Ser	Gly	Ala		
				85					90					95			
Met	Val	Val	Gly	Asp	Val	Leu	Cys	Leu	Ala	Thr	Val	Leu	Thr	Ser	Leu		
			100					105					110				
Glu	Gly	Leu	Ser	Gly	Thr	Trp	Ser	Ser	Ser	Ala	Asn	Ser	Ile	Leu	His		
	115						120					125					
Ile	Asp	Pro	Lys	Thr	Gly	Val	Ala	Val	Ala	Arg	Ala	Val	Gly	Ser	Val		
	130					135					140						
Thr	Val	Tyr	Tyr	Glu	Val	Ala	Gly	His	Leu	Arg	Thr	Tyr	Lys	Glu	Val		
145					150					155					160		
Val	Val	Ser	Val	Pro	Gln	Arg	Ile	Met	Ala	Arg	His	Leu	His	Pro	Ile		
				165					170					175			
Gln	Thr	Ser	Phe	Gln	Glu	Ala	Thr	Ala	Ser	Lys	Val	Ile	Val	Ala	Val		
			180					185					190				
Gly	Asp	Arg	Ser	Ser	Asn	Leu	Arg	Gly	Glu	Cys	Thr	Pro	Thr	Gln	Arg		
	195						200					205					
Glu	Val	Ile	Gln	Ala	Leu	His	Pro	Glu	Thr	Leu	Ile	Ser	Cys	Gln	Ser		
	210					215					220						
Gln	Phe	Lys	Pro	Ala	Val	Phe	Asp	Phe	Pro	Ser	Gln	Asp	Val	Phe	Thr		
225					230					235					240		
Val	Glu	Pro	Gln	Phe	Asp	Thr	Ala	Leu	Gly	Gln	Tyr	Phe	Cys	Ser	Ile		
				245					250					255			
Thr	Met	His	Arg	Leu	Thr	Asp	Lys	Gln	Arg	Lys	His	Leu	Ser	Met	Lys		
			260					265					270				
Lys	Thr	Ala	Leu	Val	Val	Ser	Ala	Ser	Leu	Ser	Ser	Ser	His	Phe	Ser		
		275					280					285					
Thr	Glu	Gln	Val	Gly	Ala	Glu	Val	Pro	Phe	Ser	Pro	Gly	Leu	Phe	Ala		
	290					295					300						

Asp	Gln	Ala	Glu	Ile	Leu	Leu	Ser	Asn	His	Tyr	Thr	Ser	Ser	Glu	Ile	305	310	315	320
Arg	Val	Phe	Gly	Ala	Pro	Glu	Val	Leu	Glu	Asn	Leu	Glu	Val	Lys	Ser	325	330	335	
Gly	Ser	Pro	Ala	Val	Leu	Ala	Phe	Ala	Lys	Glu	Lys	Ser	Phe	Gly	Trp	340	345	350	
Pro	Ser	Phe	Ile	Thr	Tyr	Thr	Val	Gly	Val	Leu	Asp	Pro	Ala	Ala	Gly	355	360	365	
Ser	Gln	Gly	Pro	Leu	Ser	Thr	Thr	Leu	Thr	Phe	Ser	Ser	Pro	Val	Thr	370	375	380	
Asn	Gln	Ala	Ile	Ala	Ile	Pro	Val	Thr	Val	Ala	Phe	Val	Xaa	Asp	Arg	385	390	395	400
Arg	Gly	Pro	Gly	Pro	Tyr	Gly	Ala	Ser	Leu	Phe	Gln	His	Phe	Leu	Asp	405	410	415	
Ser	Tyr	Gln	Val	Met	Phe	Phe	Thr	Leu	Phe	Ala	Leu	Leu	Ala	Gly	Thr	420	425	430	
Ala	Val	Met	Ile	Ile	Ala	Tyr	His	Thr	Val	Cys	Thr	Pro	Arg	Asp	Leu	435	440	445	
Ala	Val	Pro	Ala	Ala	Leu	Thr	Pro	Arg	Ala	Ser	Pro	Gly	His	Ser	Pro	450	455	460	
His	Tyr	Phe	Ala	Ala	Ser	Ser	Pro	Thr	Ser	Pro	Asn	Ala	Leu	Pro	Pro	465	470	475	480
Ala	Arg	Lys	Ala	Ser	Pro	Pro	Ser	Gly	Leu	Trp	Ser	Pro	Ala	Tyr	Ala	485	490	495	

Ser His

<210> 905

<211> 886

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (216)
 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (275)
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 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 905
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 Leu Ala Ala Gly Pro Ser Ala Ala Ala Xaa Lys Leu Asn Ile Pro Lys
 20 25 30
 Val Leu Leu Pro Phe Thr Arg Ala Thr Arg Val Asn Phe Thr Leu Glu
 35 40 45
 Ala Ser Glu Gly Cys Tyr Arg Trp Leu Ser Thr Arg Pro Glu Val Ala
 50 55 60
 Ser Ile Glu Pro Leu Gly Leu Asp Glu Gln Gln Cys Ser Gln Lys Ala
 65 70 75 80
 Val Val Gln Ala Arg Leu Thr Gln Pro Ala Arg Leu Thr Ser Ile Ile
 85 90 95
 Phe Ala Glu Asp Ile Thr Thr Gly Gln Val Leu Arg Cys Asp Ala Ile
 100 105 110
 Val Asp Leu Ile His Asp Ile Gln Ile Val Ser Thr Thr Arg Glu Leu
 115 120 125
 Tyr Leu Glu Asp Ser Pro Leu Glu Leu Lys Ile Gln Ala Leu Asp Ser
 130 135 140
 Glu Gly Asn Thr Phe Ser Thr Leu Ala Gly Leu Val Phe Glu Trp Thr
 145 150 155 160
 Ile Val Lys Asp Ser Glu Ala Asp Arg Phe Ser Asp Ser His Asn Ala
 165 170 175

Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr	180	185	190
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val	195	200	205
Ser	Gly	Met	Lys	Thr	Gly	Ser	Xaa	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu	210	215	220
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Xaa	Val	Arg	Leu	Leu	Ile	Leu	225	230	235
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly	245	250	255
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr	260	265	270
Glu	Leu	Xaa	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser	275	280	285
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala	290	295	300
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu	305	310	315
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro	325	330	335
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val	340	345	350
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile	355	360	365
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp	370	375	380
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu	385	390	395
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg	405	410	415
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp	420	425	430
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val	435	440	445

				725					730					735					
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu				
			740					745					750						
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro				
		755					760					765							
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn				
	770					775					780								
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp				
785					790					795					800				
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu				
				805					810					815					
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp				
			820					825					830						
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His				
		835					840					845							
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ser	Leu	Pro	Leu	Pro	Leu	Ala	Thr	Arg				
	850					855					860								
Ser	Pro	Thr	Ser	Ala	Leu	Xaa	Glu	Gln	Ser	Ser	Arg	Met	Thr	Leu	Trp				
865					870					875					880				
Cys	Leu	Cys	Arg	Pro	Pro														
				885															

<210> 906
 <211> 1887
 <212> PRT
 <213> Homo sapiens

<400> 906																			
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Leu	Ala	Ala	Gly	Pro	Ser	Ala	Ala	Ala	Ala	Lys	Leu	Asn	Ile	Pro	Lys				
			20					25					30						
Val	Leu	Leu	Pro	Phe	Thr	Arg	Ala	Thr	Arg	Val	Asn	Phe	Thr	Leu	Glu				
			35				40					45							
Ala	Ser	Glu	Gly	Cys	Tyr	Arg	Trp	Leu	Ser	Thr	Arg	Pro	Glu	Val	Ala				
		50				55					60								

Ser	Ile	Glu	Pro	Leu	Gly	Leu	Asp	Glu	Gln	Gln	Cys	Ser	Gln	Lys	Ala	65	70	75	80
Val	Val	Gln	Ala	Arg	Leu	Thr	Gln	Pro	Ala	Arg	Leu	Thr	Ser	Ile	Ile		85	90	95
Phe	Ala	Glu	Asp	Ile	Thr	Thr	Gly	Gln	Val	Leu	Arg	Cys	Asp	Ala	Ile		100	105	110
Val	Asp	Leu	Ile	His	Asp	Ile	Gln	Ile	Val	Ser	Thr	Thr	Arg	Glu	Leu		115	120	125
Tyr	Leu	Glu	Asp	Ser	Pro	Leu	Glu	Leu	Lys	Ile	Gln	Ala	Leu	Asp	Ser		130	135	140
Glu	Gly	Asn	Thr	Phe	Ser	Thr	Leu	Ala	Gly	Leu	Val	Phe	Glu	Trp	Thr		145	150	155
Ile	Val	Lys	Asp	Ser	Glu	Ala	Asp	Arg	Phe	Ser	Asp	Ser	His	Asn	Ala		165	170	175
Leu	Arg	Ile	Leu	Thr	Phe	Leu	Glu	Ser	Thr	Tyr	Ile	Pro	Pro	Ser	Tyr		180	185	190
Ile	Ser	Glu	Met	Glu	Lys	Ala	Ala	Lys	Gln	Gly	Asp	Thr	Ile	Leu	Val		195	200	205
Ser	Gly	Met	Lys	Thr	Gly	Ser	Ser	Lys	Leu	Lys	Ala	Arg	Ile	Gln	Glu		210	215	220
Ala	Val	Tyr	Lys	Asn	Val	Arg	Pro	Ala	Glu	Val	Arg	Leu	Leu	Ile	Leu		225	230	235
Glu	Asn	Ile	Leu	Leu	Asn	Pro	Ala	Tyr	Asp	Val	Tyr	Leu	Met	Val	Gly		245	250	255
Thr	Ser	Ile	His	Tyr	Lys	Val	Gln	Lys	Ile	Arg	Gln	Gly	Lys	Ile	Thr		260	265	270
Glu	Leu	Ser	Met	Pro	Ser	Asp	Gln	Tyr	Glu	Leu	Gln	Leu	Gln	Asn	Ser		275	280	285
Ile	Pro	Gly	Pro	Glu	Gly	Asp	Pro	Thr	Arg	Pro	Val	Ala	Val	Leu	Ala		290	295	300
Gln	Asp	Thr	Ser	Met	Val	Thr	Ala	Leu	Gln	Leu	Gly	Gln	Ser	Ser	Leu		305	310	315
Val	Leu	Gly	His	Arg	Ser	Ile	Arg	Met	Gln	Gly	Ala	Ser	Arg	Leu	Pro		325	330	335
Asn	Ser	Thr	Ile	Tyr	Val	Val	Glu	Pro	Gly	Tyr	Leu	Gly	Phe	Thr	Val				

			340					345					350				
His	Pro	Gly	Asp	Arg	Trp	Val	Leu	Glu	Thr	Gly	Arg	Leu	Tyr	Glu	Ile		
		355					360					365					
Thr	Ile	Glu	Val	Phe	Asp	Lys	Phe	Ser	Asn	Lys	Val	Tyr	Val	Ser	Asp		
	370					375					380						
Asn	Ile	Arg	Ile	Glu	Thr	Val	Leu	Pro	Ala	Glu	Phe	Phe	Glu	Val	Leu		
385					390					395					400		
Ser	Ser	Ser	Gln	Asn	Gly	Ser	Tyr	His	Arg	Ile	Arg	Ala	Leu	Lys	Arg		
				405					410					415			
Gly	Gln	Thr	Ala	Ile	Asp	Ala	Ala	Leu	Thr	Ser	Val	Val	Asp	Gln	Asp		
			420					425					430				
Gly	Gly	Val	His	Ile	Leu	Gln	Val	Pro	Val	Trp	Asn	Gln	Gln	Glu	Val		
		435					440					445					
Glu	Ile	His	Ile	Pro	Ile	Thr	Leu	Tyr	Pro	Ser	Ile	Leu	Thr	Phe	Pro		
	450					455					460						
Trp	Gln	Pro	Lys	Thr	Gly	Ala	Tyr	Gln	Tyr	Thr	Ile	Arg	Ala	His	Gly		
465					470					475					480		
Gly	Ser	Gly	Asn	Phe	Ser	Trp	Ser	Ser	Ser	Ser	His	Leu	Val	Ala	Thr		
				485					490					495			
Val	Thr	Val	Lys	Gly	Val	Met	Thr	Thr	Gly	Ser	Asp	Ile	Gly	Phe	Ser		
			500					505					510				
Val	Ile	Gln	Ala	His	Asp	Val	Gln	Asn	Pro	Leu	His	Phe	Gly	Glu	Met		
		515					520					525					
Lys	Val	Tyr	Val	Ile	Glu	Pro	His	Ser	Met	Glu	Phe	Ala	Pro	Cys	Gln		
	530					535					540						
Val	Glu	Ala	Arg	Val	Gly	Gln	Ala	Leu	Glu	Leu	Pro	Leu	Arg	Ile	Ser		
545					550					555					560		
Gly	Leu	Met	Pro	Gly	Gly	Ala	Ser	Glu	Val	Val	Thr	Leu	Ser	Asp	Cys		
				565					570					575			
Ser	His	Phe	Asp	Leu	Ala	Val	Glu	Val	Glu	Asn	Gln	Gly	Val	Phe	Gln		
			580					585					590				
Pro	Leu	Pro	Gly	Arg	Leu	Pro	Pro	Gly	Ser	Glu	His	Cys	Ser	Gly	Val		
		595					600					605					
Arg	Val	Lys	Ala	Glu	Ala	Gln	Gly	Ser	Thr	Thr	Leu	Leu	Val	Ser	Tyr		
	610					615					620						

Arg	His	Gly	His	Val	His	Leu	Ser	Ala	Lys	Ile	Thr	Ile	Ala	Ala	Tyr	625	630	635	640
Leu	Pro	Leu	Lys	Ala	Val	Asp	Pro	Ser	Ser	Val	Ala	Leu	Val	Thr	Leu	645	650	655	
Gly	Ser	Ser	Lys	Glu	Met	Leu	Phe	Glu	Gly	Gly	Pro	Arg	Pro	Trp	Ile	660	665	670	
Leu	Glu	Pro	Ser	Lys	Phe	Phe	Gln	Asn	Val	Thr	Ala	Glu	Asp	Thr	Asp	675	680	685	
Ser	Ile	Gly	Leu	Ala	Leu	Phe	Ala	Pro	His	Ser	Ser	Arg	Asn	Tyr	Gln	690	695	700	
Gln	His	Trp	Ile	Leu	Val	Thr	Cys	Gln	Ala	Leu	Gly	Glu	Gln	Val	Ile	705	710	715	720
Ala	Leu	Ser	Val	Gly	Asn	Lys	Pro	Ser	Leu	Thr	Asn	Pro	Phe	Pro	Ala	725	730	735	
Val	Glu	Pro	Ala	Val	Val	Lys	Phe	Val	Cys	Ala	Pro	Pro	Ser	Arg	Leu	740	745	750	
Thr	Leu	Val	Pro	Val	Tyr	Thr	Ser	Pro	Gln	Leu	Asp	Met	Ser	Cys	Pro	755	760	765	
Leu	Leu	Gln	Gln	Asn	Lys	Gln	Val	Val	Pro	Val	Ser	Ser	His	Arg	Asn	770	775	780	
Pro	Leu	Leu	Asp	Leu	Ala	Ala	Tyr	Asp	Gln	Glu	Gly	Arg	Arg	Phe	Asp	785	790	795	800
Asn	Phe	Ser	Ser	Leu	Ser	Ile	Gln	Trp	Glu	Ser	Thr	Arg	Pro	Val	Leu	805	810	815	
Ala	Ser	Ile	Glu	Pro	Glu	Leu	Pro	Met	Gln	Leu	Val	Ser	Gln	Asp	Asp	820	825	830	
Glu	Ser	Gly	Gln	Lys	Lys	Leu	His	Gly	Leu	Gln	Ala	Ile	Leu	Val	His	835	840	845	
Glu	Ala	Ser	Gly	Thr	Thr	Ala	Ile	Thr	Ala	Thr	Ala	Thr	Gly	Tyr	Gln	850	855	860	
Glu	Ser	His	Leu	Ser	Ser	Ala	Arg	Thr	Lys	Gln	Pro	His	Asp	Pro	Leu	865	870	875	880
Val	Pro	Leu	Ser	Ala	Ser	Ile	Glu	Leu	Ile	Leu	Val	Glu	Asp	Val	Arg	885	890	895	

Val Ser Pro Glu Glu Val Thr Ile Tyr Asn His Pro Gly Ile Gln Ala
900 905 910
Glu Leu Arg Ile Arg Glu Gly Ser Gly Tyr Phe Phe Leu Asn Thr Ser
915 920 925
Thr Ala Asp Val Val Lys Val Ala Tyr Gln Glu Ala Arg Gly Val Ala
930 935 940
Met Val His Pro Leu Leu Pro Gly Ser Ser Thr Ile Met Ile His Asp
945 950 955 960
Leu Cys Leu Val Phe Pro Ala Pro Ala Lys Ala Val Val Tyr Val Ser
965 970 975
Asp Ile Gln Glu Leu Tyr Ile Arg Val Val Asp Lys Val Glu Ile Gly
980 985 990
Lys Thr Val Lys Ala Tyr Val Arg Val Leu Asp Leu His Lys Lys Pro
995 1000 1005
Phe Leu Ala Lys Tyr Phe Pro Phe Met Asp Leu Lys Leu Arg Ala Ala
1010 1015 1020
Ser Pro Ile Ile Thr Leu Val Ala Leu Asp Glu Ala Leu Asp Asn Tyr
1025 1030 1035 1040
Thr Ile Thr Phe Leu Ile Arg Gly Val Ala Ile Gly Gln Thr Ser Leu
1045 1050 1055
Thr Ala Ser Val Thr Asn Lys Ala Gly Gln Arg Ile Asn Ser Ala Pro
1060 1065 1070
Gln Gln Ile Glu Val Phe Pro Pro Phe Arg Leu Met Pro Arg Lys Val
1075 1080 1085
Thr Leu Leu Ile Gly Ala Thr Met Gln Val Thr Ser Glu Gly Gly Pro
1090 1095 1100
Gln Pro Gln Ser Asn Ile Leu Phe Ser Ile Ser Asn Glu Ser Val Ala
1105 1110 1115 1120
Leu Val Ser Ala Ala Gly Leu Val Gln Gly Leu Ala Ile Gly Asn Gly
1125 1130 1135
Thr Val Ser Gly Leu Val Gln Ala Val Asp Ala Glu Thr Gly Lys Val
1140 1145 1150
Val Ile Ile Ser Gln Asp Leu Val Gln Val Glu Val Leu Leu Leu Arg
1155 1160 1165
Ala Val Arg Ile Arg Ala Pro Ile Met Arg Met Arg Thr Gly Thr Gln

1170		1175		1180
Met 1185	Pro Ile Tyr Val	Thr Gly Ile Thr	Asn His 1195	Gln Asn Pro Phe Ser 1200
Phe 1205	Gly Asn Ala Val	Pro Gly Leu Thr	Phe His 1210	Trp Ser Val Thr Lys 1215
Arg 1220	Asp Val Leu	Asp Leu Arg Gly	Arg His 1225	His Glu Ala Ser Ile Arg 1230
Leu 1235	Pro Ser Gln Tyr	Asn Phe Ala Met	Asn Val Leu Gly	Arg Val Lys 1245
Gly 1250	Arg Thr Gly Leu	Arg Val Val Lys	Ala Val Asp	Pro Thr Ser 1260
Gly 1265	Gln Leu Tyr Gly	Leu Ala Arg Glu	Leu Ser Asp	Glu Ile Gln Val 1280
Gln 1285	Val Phe Glu Lys	Leu Gln Leu Leu	Asn Pro Glu	Ile Glu Ala Glu 1295
Gln 1300	Ile Leu Met Ser	Pro Asn Ser Tyr	Ile Lys Leu	Gln Thr Asn Arg 1310
Asp 1315	Gly Ala Ala Ser	Leu Ser Tyr Arg	Val Leu Asp	Gly Pro Glu Lys 1325
Val 1330	Pro Val Val His	Val Asp Glu Lys	Gly Phe Leu	Ala Ser Gly Ser 1340
Met 1345	Ile Gly Thr Ser	Thr Ile Gly Val	Ile Ala Gln	Glu Pro Phe Gly 1360
Ala 1365	Asn Gln Thr Ile	Ile Val Ala Val	Lys Val Ser	Pro Val Ser Tyr 1375
Leu 1380	Arg Val Ser Met	Ser Pro Val Leu	His Thr Gln	Asn Lys Glu Ala 1390
Leu 1395	Val Ala Val Pro	Leu Gly Met Thr	Val Thr Phe	Thr Val His Phe 1405
His 1410	Asp Asn Ser Gly	Asp Val Phe His	Ala His Ser	Ser Val Leu Asn 1420
Phe 1425	Ala Thr Asn Arg	Asp Asp Phe Val	Gln Ile Gly	Lys Gly Pro Thr 1440
Asn 1445	Asn Thr Cys Val	Val Arg Thr Val	Ser Val Gly	Leu Thr Leu Leu 1455

Arg Val Trp Asp Ala Glu His Pro Gly Leu Ser Asp Phe Met Pro Leu
 1460 1465 1470
 Pro Val Leu Gln Ala Ile Ser Pro Glu Leu Ser Gly Ala Met Val Val
 1475 1480 1485
 Gly Asp Val Leu Cys Leu Ala Thr Val Leu Thr Ser Leu Glu Gly Leu
 1490 1495 1500
 Ser Gly Thr Trp Ser Ser Ser Ala Asn Ser Ile Leu His Ile Asp Pro
 1505 1510 1515 1520
 Lys Thr Gly Val Ala Val Ala Arg Ala Val Gly Ser Val Thr Val Tyr
 1525 1530 1535
 Tyr Glu Val Ala Gly His Leu Arg Thr Tyr Lys Glu Val Val Val Ser
 1540 1545 1550
 Val Pro Gln Arg Ile Met Ala Arg His Leu His Pro Ile Gln Thr Ser
 1555 1560 1565
 Phe Gln Glu Ala Thr Ala Ser Lys Val Ile Val Ala Val Gly Asp Arg
 1570 1575 1580
 Ser Ser Asn Leu Arg Gly Glu Cys Thr Pro Thr Gln Arg Glu Val Ile
 1585 1590 1595 1600
 Gln Ala Leu His Pro Glu Thr Leu Ile Ser Cys Gln Ser Gln Phe Lys
 1605 1610 1615
 Pro Ala Val Phe Asp Phe Pro Ser Gln Asp Val Phe Thr Val Glu Pro
 1620 1625 1630
 Gln Phe Asp Thr Ala Leu Gly Gln Tyr Phe Cys Ser Ile Thr Met His
 1635 1640 1645
 Arg Leu Thr Asp Lys Gln Arg Lys His Leu Ser Met Lys Lys Thr Ala
 1650 1655 1660
 Leu Val Val Ser Ala Ser Leu Ser Ser Ser His Phe Ser Thr Glu Gln
 1665 1670 1675 1680
 Val Gly Ala Glu Val Pro Phe Ser Pro Gly Leu Phe Ala Asp Gln Ala
 1685 1690 1695
 Glu Ile Leu Leu Ser Asn His Tyr Thr Ser Ser Glu Ile Arg Val Phe
 1700 1705 1710
 Gly Ala Pro Glu Val Leu Glu Asn Leu Glu Val Lys Ser Gly Ser Pro
 1715 1720 1725

<221> SITE
 <222> (262)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (279)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (295)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 908
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 Gln Leu Leu Val Glu Leu Leu Trp Pro Leu Phe Leu Phe Phe Ile Leu
 20 25 30
 Val Ala Val Arg His Ser His Pro Pro Leu Glu His His Glu Cys His
 35 40 45
 Phe Pro Asn Lys Pro Leu Pro Ser Ala Gly Thr Val Pro Trp Leu Gln
 50 55 60
 Gly Leu Ile Cys Asn Val Asn Asn Thr Cys Phe Pro Gln Leu Thr Pro
 65 70 75 80
 Gly Glu Glu Pro Gly Arg Leu Ser Asn Phe Asn Asp Ser Leu Val Ser
 85 90 95
 Arg Leu Leu Ala Asp Ala Arg Thr Val Leu Gly Gly Ala Ser Ala His
 100 105 110
 Arg Thr Leu Ala Gly Leu Gly Lys Leu Ile Ala Thr Leu Arg Ala Ala
 115 120 125
 Arg Ser Thr Ala Gln Pro Gln Pro Thr Lys Gln Ser Pro Leu Glu Pro
 130 135 140
 Pro Met Leu Asp Val Ala Glu Leu Leu Thr Ser Leu Leu Arg Thr Glu
 145 150 155 160
 Ser Leu Gly Leu Ala Leu Gly Gln Ala Gln Glu Pro Leu His Ser Leu
 165 170 175

Leu Glu Ala Ala Glu Asp Leu Ala Gln Glu Leu Leu Ala Leu Arg Ser
 180 185 190
 Leu Val Glu Leu Arg Ala Leu Leu Gln Arg Pro Arg Gly Thr Ser Gly
 195 200 205
 Pro Leu Glu Leu Leu Ser Glu Ala Leu Cys Ser Val Arg Gly Pro Ser
 210 215 220
 Ser Thr Val Gly Pro Ser Leu Asn Trp Tyr Glu Ala Ser Asp Leu Met
 225 230 235 240
 Glu Leu Val Gly Gln Glu Pro Glu Ser Ala Cys Arg Gln Gln Leu Ser
 245 250 255
 Pro Leu Leu Gly Ala Xaa Trp Ser Leu Asp Ser Thr Arg Cys Pro Leu
 260 265 270
 Val Trp Asn Ala Glu Ala Xaa Ser Ser Glu Val Leu Leu Thr Asp His
 275 280 285
 Phe Thr Glu Val Met Xaa Xaa Glu Arg Leu Gln Ser Tyr Leu
 290 295 300

<210> 909

<211> 37

<212> PRT

<213> Homo sapiens

<400> 909

Leu Pro Trp Leu Pro Phe Phe Phe Ser Cys Leu Val Ser Thr Leu Pro
 1 5 10 15

Ser Met Ser Val Ser Ala Phe Ser Leu Val Val Arg Gly Arg Arg Ala
 20 25 30

Phe Thr Ser Val Arg
 35

<210> 910

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 910

Pro	Lys	Thr	Ser	Pro	Ser	Pro	Glu	Val	Ser	Tyr	Thr	Thr	Pro	Ala	Pro
1				5					10					15	

Lys	Asp	Val	Leu	Leu	Pro	His	Lys	Pro	Tyr	Pro	Glu	Val	Ser	Gln	Ser
			20					25					30		

Glu	Pro	Ala	Pro	Leu	Glu	Thr	Arg	Gly	Ile	Pro	Phe	Ile	Pro	Met	Ile
		35					40					45			

Ser	Pro	Ser	Pro	Ser	Gln	Glu	Glu	Leu	Gln	Thr	Thr	Leu	Glu	Glu	Thr
	50					55					60				

Asp	Gln	Ser	Thr	Gln	Glu	Pro	Phe	Thr	Thr	Lys	Ile	Pro	Arg	Thr	Xaa
65					70					75					80

Glu	Leu	Ala	Lys	Thr	Thr	Gln	Ala	Pro	His	Arg	Phe	Tyr	Thr	Thr	Val
				85					90					95	

Arg	Pro	Arg	Thr	Ser	Asp	Lys	Pro	His	Ile	Arg	Pro	Val	Leu	Asn	Arg
			100					105					110		

Thr	Thr	Thr	Arg	Pro	Thr	Arg	Pro	Lys	Pro	Ser	Gly	Met	Pro	Ser	Gly
		115					120					125			

Asn	Gly	Val	Gly	Thr	Gly	Val	Lys	Gln	Ala	Pro	Arg	Pro	Ser	Gly	Ala
	130					135					140				

Asp	Arg	Asn	Val	Ser	Val	Xaa	Ser	Thr	His	Pro	Thr	Lys	Lys	Pro	Gly
145					150					155					160

Thr	Xaa	Arg	Pro	Pro	Leu	Pro	Pro	Ser	Arg	Arg	Gly	Arg	Glu	Phe	Pro
				165					170					175	

Gly	Arg	Arg	Ala	His
			180	

<210> 911

<211> 161
 <212> PRT
 <213> Homo sapiens

<400> 911

Met	Leu	Ser	Ser	Leu	Gly	Cys	Leu	Leu	Leu	Cys	Gly	Ser	Ile	Thr	Leu
1				5					10					15	
Ala	Leu	Gly	Asn	Ala	Gln	Lys	Leu	Pro	Lys	Gly	Lys	Arg	Pro	Asn	Leu
			20					25					30		
Lys	Val	His	Ile	Asn	Thr	Thr	Ser	Asp	Ser	Ile	Leu	Leu	Lys	Phe	Leu
		35					40					45			
Arg	Pro	Ser	Pro	Asn	Val	Lys	Leu	Glu	Gly	Leu	Leu	Leu	Gly	Tyr	Gly
	50					55					60				
Ser	Asn	Val	Ser	Pro	Asn	Gln	Tyr	Phe	Pro	Leu	Pro	Ala	Glu	Gly	Lys
65					70					75					80
Phe	Thr	Glu	Ala	Ile	Val	Asp	Ala	Glu	Pro	Lys	Tyr	Leu	Ile	Val	Val
				85					90					95	
Arg	Pro	Ala	Pro	Pro	Pro	Ser	Gln	Lys	Lys	Ser	Cys	Ser	Gly	Lys	Thr
			100					105					110		
Arg	Ser	Arg	Lys	Pro	Leu	Gln	Leu	Val	Val	Gly	Thr	Leu	Thr	Pro	Ser
	115						120					125			
Ser	Val	Phe	Leu	Ser	Trp	Gly	Phe	Leu	Ile	Asn	Pro	His	His	Asp	Trp
130						135					140				
Thr	Leu	Pro	Ser	His	Cys	Pro	Asn	Asp	Arg	Phe	Tyr	Thr	Ile	Arg	Tyr
145					150					155					160

Arg

<210> 912
 <211> 778
 <212> PRT
 <213> Homo sapiens

<400> 912

Met	Leu	Ser	Ser	Leu	Gly	Cys	Leu	Leu	Leu	Cys	Gly	Ser	Ile	Thr	Leu
1				5					10					15	
Ala	Leu	Gly	Asn	Ala	Gln	Lys	Leu	Pro	Lys	Gly	Lys	Arg	Pro	Asn	Leu
			20					25					30		

Lys	Val	His	Ile	Asn	Thr	Thr	Ser	Asp	Ser	Ile	Leu	Leu	Lys	Phe	Leu	35	40	45
Arg	Pro	Ser	Pro	Asn	Val	Lys	Leu	Glu	Gly	Leu	Leu	Leu	Gly	Tyr	Gly	50	55	60
Ser	Asn	Val	Ser	Pro	Asn	Gln	Tyr	Phe	Pro	Leu	Pro	Ala	Glu	Gly	Lys	65	70	75
Phe	Thr	Glu	Ala	Ile	Val	Asp	Ala	Glu	Pro	Lys	Tyr	Leu	Ile	Val	Val	85	90	95
Arg	Pro	Ala	Pro	Pro	Pro	Ser	Gln	Lys	Lys	Ser	Cys	Ser	Gly	Lys	Thr	100	105	110
Arg	Ser	Arg	Lys	Pro	Leu	Gln	Leu	Val	Val	Gly	Thr	Leu	Thr	Pro	Ser	115	120	125
Ser	Val	Phe	Leu	Ser	Trp	Gly	Phe	Leu	Ile	Asn	Pro	His	His	Asp	Trp	130	135	140
Thr	Leu	Pro	Ser	His	Cys	Pro	Asn	Asp	Arg	Phe	Tyr	Thr	Ile	Arg	Tyr	145	150	155
Arg	Glu	Lys	Asp	Lys	Glu	Lys	Lys	Trp	Ile	Phe	Gln	Ile	Cys	Pro	Ala	165	170	175
Thr	Glu	Thr	Ile	Val	Glu	Asn	Leu	Lys	Pro	Asn	Thr	Val	Tyr	Glu	Phe	180	185	190
Gly	Val	Lys	Asp	Asn	Val	Glu	Gly	Gly	Ile	Trp	Ser	Lys	Ile	Phe	Asn	195	200	205
His	Lys	Thr	Val	Val	Gly	Ser	Lys	Lys	Val	Asn	Gly	Lys	Ile	Gln	Ser	210	215	220
Thr	Tyr	Asp	Gln	Asp	His	Thr	Val	Pro	Ala	Tyr	Val	Pro	Arg	Lys	Leu	225	230	235
Ile	Pro	Ile	Thr	Ile	Ile	Lys	Gln	Val	Ile	Gln	Asn	Val	Thr	His	Lys	245	250	255
Asp	Ser	Ala	Lys	Ser	Pro	Glu	Lys	Ala	Pro	Leu	Gly	Gly	Val	Ile	Leu	260	265	270
Val	His	Leu	Ile	Ile	Pro	Gly	Leu	Asn	Glu	Thr	Thr	Val	Lys	Leu	Pro	275	280	285
Ala	Ser	Leu	Met	Phe	Glu	Ile	Ser	Asp	Ala	Leu	Lys	Thr	Gln	Leu	Ala	290	295	300
Lys	Asn	Glu	Thr	Leu	Ala	Leu	Pro	Ala	Glu	Ser	Lys	Thr	Pro	Glu	Val			

305		310		315		320
Glu Lys Ile Ser	Ala Arg Pro Thr Thr	Val Thr Pro Glu Thr	Val Pro			
	325	330	335			
Arg Ser Thr Lys	Pro Thr Thr Ser Ser	Ala Leu Asp Val	Ser Glu Thr			
	340	345	350			
Thr Leu Val Leu	Ser Lys Arg Thr Pro	Glu Thr Leu Gln Thr	Ile Leu			
	355	360	365			
Ile Pro Gln Phe	Glu Leu Pro Leu Ser Thr	Leu Ala Pro Lys Ser	Leu			
	370	375	380			
Pro Glu Phe Pro	Glu Ala Lys Thr Pro Phe	Pro Phe Glu Lys Pro	Arg			
385	390	395	400			
Gly Thr Leu Ala	Ser Ser Glu Lys Pro Trp	Ile Val Pro Thr Ala	Lys			
	405	410	415			
Ile Ser Glu Asp	Ser Lys Val Leu Gln Pro	Gln Thr Ala Thr Tyr	Asp			
	420	425	430			
Val Phe Ser Ser	Pro Thr Thr Ser Asp	Glu Pro Glu Ile Ser	Asp Ser			
	435	440	445			
Tyr Thr Ala Thr	Ser Asp Arg Ile Leu Asp	Ser Ile Pro Pro Lys	Thr			
	450	455	460			
Ser Arg Thr Leu	Glu Gln Pro Arg Ala Thr	Leu Ala Pro Ser Glu	Thr			
465	470	475	480			
Pro Phe Val Pro	Gln Lys Leu Glu Ile Phe	Thr Ser Pro Glu Met	Gln			
	485	490	495			
Pro Thr Thr Pro	Ala Pro Gln Gln Thr Thr	Ser Ile Pro Ser Thr	Pro			
	500	505	510			
Lys Arg Arg Pro	Arg Pro Lys Pro Pro Arg	Thr Lys Pro Glu Arg	Thr			
	515	520	525			
Thr Ser Ala Gly	Thr Ile Thr Pro Lys Ile	Ser Lys Ser Pro Glu	Pro			
	530	535	540			
Thr Trp Thr Thr	Pro Ala Pro Gly Lys Thr	Gln Phe Ile Ser Leu	Lys			
545	550	555	560			
Pro Lys Ile Pro	Leu Ser Pro Glu Val Thr	His Thr Lys Pro Ala	Pro			
	565	570	575			
Lys Gln Thr Pro	Arg Ala Pro Pro Lys Pro	Lys Thr Ser Pro Arg	Pro			
	580	585	590			

Ser Gly Leu Leu Ser Asn Gln Ile Asn Leu Gln Ser Phe Asp Phe Lys
 20 25 30
 Arg Met Leu Leu Cys Arg Leu Asn Ile Thr Gly Leu Cys Trp Gly Pro
 35 40 45
 Lys Arg Thr Arg Cys Ala Leu Gly Gly Gln Thr Gly Leu Gln His His
 50 55 60
 Pro Ser Asn Glu Lys Xaa Arg His Ser Gly Lys Glu Asp Leu Phe Leu
 65 70 75 80
 Ser Ile Cys Leu Gly Trp Gly Thr Thr Val Asn Met Ala Cys Asn Asn
 85 90 95
 Gln Arg Gly Arg Gly Tyr Gln Thr Gln Arg Asn Ser Ser Pro Val Tyr
 100 105 110
 Gln Glu Glu Leu Leu Phe Phe Cys Thr Ser Leu Phe Ser Arg Leu Phe
 115 120 125
 Ser Leu Lys Gly
 130

<210> 914
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 914
 Met Asn His Leu Ser Ile Ser Ile Ala Leu Phe Leu Leu Cys Cys Val
 1 5 10 15
 His Leu Ser Leu Gly Leu Ser Val Phe Pro Phe Gln Glu Asp Arg Ser
 20 25 30
 Val

<210> 915
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 915
 Met Asn Tyr Leu His Cys Asn Val Leu Leu Thr Leu Phe Cys Leu Leu
 1 5 10 15

Phe Leu Leu His Ser Cys Ile Lys Ile Ile Lys His His Ser Gln Ala
 20 25 30
 Lys Arg Thr Arg Phe Pro Ser His Ile Ser His Lys Gly Glu Ala Asn
 35 40 45
 Thr His Gln Gly Gly Asn Tyr Thr Glu Leu Gly Trp Gly Leu Asp Ile
 50 55 60
 Tyr Phe Thr Ser Glu Leu Phe Ile Ser Ala Val Asn Leu Gly Glu Gly
 65 70 75 80
 Leu Gly Glu Val Leu Ser Gly Glu Gln Arg Gly Pro Gly Gly Lys Leu
 85 90 95
 Met Lys Thr Ser Asp Asp
 100

<210> 916
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 916
 Ile Lys Thr Val Phe Leu Gly Gln Arg Tyr Thr Asp Pro Asn Phe Ile
 1 5 10 15
 Ala Val Val Phe Ile His Leu Pro Ile Asp Ile Leu Lys Ala Pro Ala
 20 25 30
 Arg Pro Gly Thr Val Ala His Ala Cys Asn Leu Ser Thr Leu Val Gly
 35 40 45
 Arg Gly Gly Arg Ile Thr Arg Ser Arg Asp Gln Asp His Pro Gly Gln
 50 55 60
 Arg Gly Glu Thr Leu Ser Leu Leu Lys Ile Gln Lys Leu Ala Gly His
 65 70 75 80
 Gly Gly Ala Arg Leu
 85

<210> 917
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 917

Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 918

<211> 33

<212> PRT

<213> Homo sapiens

<400> 918

Met Ile Ser Cys Leu Cys Asn Phe Ile Ala His Cys Val Ala Leu Val
1 5 10 15

Met Arg Thr Cys Met Leu Val Val Ser Ser Asn Phe Ala Pro Ser Phe
20 25 30

Leu

<210> 919

<211> 101

<212> PRT

<213> Homo sapiens

<400> 919

Val Asp Pro Arg Val Arg Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu
1 5 10 15

Phe Glu Cys Phe Leu Met Val Phe Leu Leu Lys Cys Gln Val Asn Asn
20 25 30

Phe Asn Pro Ile Gln Gln Tyr Ser Leu Phe Pro Leu Lys Ser Ser Gly
35 40 45

Thr Cys Ser Ile Ser Leu Phe Cys Met Arg Gly Leu Tyr Phe Cys Leu
50 55 60

Gly Val Val Ile Cys Thr His Ala Ile Leu Leu Lys Pro Ser Cys Leu
65 70 75 80

Val Leu Phe Leu Glu Ser Phe Phe Phe Pro Val Leu Met Tyr Ala Gly
85 90 95

Phe Gly Asn Ser Ser
100

<210> 920
<211> 60
<212> PRT
<213> Homo sapiens

<400> 920
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Gln Val Cys Thr Leu Leu
50 55 60

<210> 921
<211> 79
<212> PRT
<213> Homo sapiens

<400> 921
Met Arg Lys Trp Gly Leu Met Lys Leu Ile Ala Ser Met Met Gln Pro
1 5 10 15
Val Leu Leu Glu Leu Leu Ser Val Trp Arg Lys Glu Gly Arg Asp Ser
20 25 30
Arg Asn Ile His Asp Ser His Ser Met Tyr Val Leu Arg Lys Arg Leu
35 40 45
Ser Gly Ser Trp Leu Gln Ala Gly Leu Tyr Ser Thr Val Ile Ser Ala
50 55 60
Ala Leu Ile Leu Glu Ser Pro Arg Ala Cys Leu Pro Ser Lys Gly
65 70 75

<210> 922
<211> 245
<212> PRT

<213> Homo sapiens

<400> 922

Met	Ala	Asp	Val	Ser	Ala	Lys	Asp	Ser	Ser	Gln	Glu	Thr	Leu	Val	Asn	
1				5					10					15		
Leu	Ala	Gly	Leu	Leu	Val	Ser	Leu	Leu	Met	Leu	Pro	Leu	Val	Ser	Gly	
			20					25					30			
Cys	Pro	Gly	Phe	Ser	Leu	Gly	Cys	Phe	Phe	Phe	Leu	Thr	Ala	Leu	His	
		35					40					45				
Ile	Tyr	Ala	Asn	Tyr	Arg	Ala	Val	Arg	Ala	Leu	Val	Met	Glu	Thr	Leu	
	50					55					60					
Asn	Glu	Gly	Arg	Leu	Arg	Leu	Val	Leu	Lys	His	Tyr	Leu	Gln	Arg	Gly	
65					70					75					80	
Glu	Val	Leu	Asp	Pro	Thr	Ala	Ala	Asn	Arg	Met	Glu	Pro	Leu	Trp	Thr	
				85					90					95		
Gly	Phe	Trp	Pro	Ala	Pro	Ser	Leu	Ser	Leu	Gly	Val	Pro	Leu	His	Arg	
			100					105					110			
Leu	Val	Ser	Ser	Val	Phe	Glu	Leu	Gln	Gln	Leu	Val	Glu	Gly	His	Gln	
		115					120					125				
Glu	Ser	Tyr	Leu	Leu	Cys	Trp	Asp	Gln	Ser	Gln	Asn	Gln	Val	Gln	Val	
	130					135					140					
Val	Leu	Asn	Gln	Lys	Ala	Gly	Pro	Lys	Thr	Ile	Leu	Arg	Ala	Ala	Thr	
145					150					155					160	
His	Gly	Leu	Met	Leu	Gly	Ala	Leu	Gln	Gly	Asp	Gly	Pro	Leu	Pro	Ala	
			165						170					175		
Glu	Leu	Glu	Glu	Leu	Arg	Asn	Arg	Val	Arg	Ala	Gly	Pro	Lys	Lys	Glu	
			180					185					190			
Ser	Trp	Val	Val	Val	Lys	Glu	Thr	His	Glu	Val	Leu	Asp	Met	Leu	Phe	
		195					200					205				
Pro	Lys	Phe	Leu	Lys	Gly	Leu	Gln	Asp	Ala	Gly	Trp	Lys	Thr	Glu	Lys	
	210					215					220					
His	Gln	Leu	Glu	Val	Asp	Glu	Trp	Arg	Ala	Thr	Trp	Leu	Leu	Ser	Pro	
225					230					235					240	
Glu	Lys	Lys	Val	Leu												
				245												

<210> 923
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 923
 Leu Pro Val Gln Asn Gly Cys Pro Glu Ser Ala Met Glu Met Asn Gly
 1 5 10 15
 Arg Ala Pro Cys Trp Glu Val Gly Leu Glu Glu Leu Ser Ser Arg Lys
 20 25 30
 Leu Thr Ala Gly Pro Gln Phe Pro Ser Glu Pro Gln Ala Pro Ala Pro
 35 40 45
 Ser Leu Phe Arg Gln Cys Leu Leu Trp Phe Cys Gly Met Xaa Xaa Gly
 50 55 60
 Gly Val Gly Ser Pro Pro Pro Leu Thr Gln Glu
 65 70 75

<210> 924
 <211> 186
 <212> PRT
 <213> Homo sapiens

<400> 924
 Met Leu Pro Leu Val Ser Gly Cys Pro Gly Phe Ser Leu Gly Cys Phe
 1 5 10 15
 Phe Phe Leu Thr Ala Leu His Ile Tyr Ala Asn Tyr Arg Ala Val Arg
 20 25 30
 Ala Leu Val Met Glu Thr Leu Asn Glu Gly Arg Leu Arg Leu Val Leu
 35 40 45
 Lys His Tyr Leu Gln Arg Gly Glu Val Leu Asp Pro Thr Ala Ala Asn
 50 55 60

Arg	Met	Glu	Pro	Leu	Trp	Thr	Gly	Phe	Trp	Pro	Ala	Pro	Ser	Leu	Ser
65					70					75					80
Leu	Gly	Val	Pro	Leu	His	Arg	Leu	Val	Ser	Ser	Val	Phe	Glu	Leu	Gln
				85					90					95	
Gln	Leu	Val	Glu	Gly	His	Gln	Glu	Ser	Tyr	Leu	Leu	Cys	Trp	Asp	Gln
			100					105					110		
Ser	Gln	Asn	Gln	Val	Gln	Val	Val	Leu	Asn	Gln	Lys	Ala	Gly	Pro	Lys
		115					120					125			
Thr	Ile	Leu	Arg	Ala	Ala	Thr	His	Gly	Leu	Met	Leu	Gly	Ala	Leu	Gln
	130					135					140				
Gly	Asp	Gly	Pro	Leu	Pro	Ala	Glu	Leu	Glu	Glu	Leu	Arg	Asn	Arg	Val
145					150					155					160
Arg	Ala	Gly	Pro	Arg	Lys	Arg	Ala	Gly	Ser	Ser	Ser	Arg	Arg	His	Thr
				165					170					175	
Lys	Cys	Trp	Thr	Cys	Cys	Ser	Gln	Ser	Ser						
			180					185							

<210> 925
 <211> 40
 <212> PRT
 <213> Homo sapiens

Met	Arg	Arg	Gln	Thr	Phe	Met	Ser	Ile	Leu	Val	Phe	Gln	Cys	Ser	Pro
1				5					10					15	
Ile	Ser	Phe	Gly	Leu	Cys	Ile	Asn	Lys	Glu	Arg	Thr	Val	Val	Ser	Ser
			20					25					30		
Val	Ile	Thr	Asp	Asn	Leu	Cys	Leu								
		35					40								

<210> 926
 <211> 40
 <212> PRT
 <213> Homo sapiens

Met	Arg	Arg	Gln	Thr	Phe	Met	Ser	Ile	Leu	Val	Phe	Gln	Cys	Ser	Pro
1				5					10					15	

Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
 20 25 30

Val Ile Thr Asp Asn Leu Cys Leu
 35 40

<210> 927

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 927

Ser Leu Leu Leu Ser Cys Cys Pro Leu Gly Asn Arg Ala Tyr Gly Ala
 1 5 10 15

Thr Gly Ala Glu Val Ala Ser Arg Ala Ser Leu Glu Gly Ser Glu His
 20 25 30

Ser Met Gln Arg Ser His Arg Glu Ala Gly Asn Gln Gly Pro Gly Arg
 35 40 45

Ala Ala Ser Cys Ala Ser Pro Ala Phe Val Met Xaa Phe Ser Phe Phe
 50 55 60

Thr His Cys Gln Ile Cys Phe Leu Pro
 65 70

<210> 928

<211> 7

<212> PRT

<213> Homo sapiens

<400> 928

Glu Ala Pro Trp Gln Phe Ser
 1 5

<210> 929

<211> 23

<212> PRT

<213> Homo sapiens

<400> 929

Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
20

<210> 930

<211> 23

<212> PRT

<213> Homo sapiens

<400> 930

Met Phe Leu Lys Ala Gln Trp Leu Tyr Ser Leu Leu Leu Asn Cys Leu
1 5 10 15

Leu Pro Glu Gly Thr Ser Ser
20

<210> 931

<211> 64

<212> PRT

<213> Homo sapiens

<400> 931

Arg Thr Leu Arg Met Ser Pro Ser Ala Phe Cys Tyr Ser Leu Thr Leu
1 5 10 15

Leu Ala Cys Trp Arg Ala Ala Trp Ile Pro Thr Cys Val Pro Arg Ala
20 25 30

Ala Gly Glu Met Asp Ser Pro Gly Leu Ala Asp Gly His Trp Cys Ser
35 40 45

Gly Ala Ala Arg Arg Ser Pro His Tyr Val Ala Arg Ser Leu Val Leu
50 55 60

<210> 932

<211> 822

<212> PRT

<213> Homo sapiens

<400> 932

Met	Ala	Ala	Ala	Val	Val	Val	Ala	Glu	Gly	Asp	Ser	Asp	Ser	Arg	Pro	1	5	10	15
Gly	Gln	Glu	Leu	Leu	Val	Ala	Trp	Asn	Thr	Val	Ser	Thr	Gly	Leu	Val	20	25	30	
Pro	Pro	Ala	Ala	Leu	Gly	Leu	Val	Ser	Ser	Arg	Thr	Ser	Gly	Ala	Val	35	40	45	
Pro	Pro	Lys	Glu	Glu	Glu	Leu	Arg	Ala	Ala	Val	Glu	Val	Leu	Arg	Gly	50	55	60	
His	Gly	Leu	His	Ser	Val	Leu	Glu	Glu	Trp	Phe	Val	Glu	Val	Leu	Gln	65	70	75	80
Asn	Asp	Leu	Gln	Ala	Asn	Ile	Ser	Pro	Glu	Phe	Trp	Asn	Ala	Ile	Ser	85	90	95	
Gln	Cys	Glu	Asn	Ser	Ala	Asp	Glu	Pro	Gln	Cys	Leu	Leu	Leu	Leu	Leu	100	105	110	
Asp	Ala	Phe	Gly	Leu	Leu	Glu	Ser	Arg	Leu	Asp	Pro	Tyr	Leu	Arg	Ser	115	120	125	
Leu	Glu	Leu	Leu	Glu	Lys	Trp	Thr	Arg	Leu	Gly	Leu	Leu	Met	Gly	Thr	130	135	140	
Gly	Ala	Gln	Gly	Leu	Arg	Glu	Glu	Val	His	Thr	Met	Leu	Arg	Gly	Val	145	150	155	160
Leu	Phe	Phe	Ser	Thr	Pro	Arg	Thr	Phe	Gln	Glu	Met	Ile	Gln	Arg	Leu	165	170	175	
Tyr	Gly	Cys	Phe	Leu	Arg	Val	Tyr	Met	Gln	Ser	Lys	Arg	Lys	Gly	Glu	180	185	190	
Gly	Gly	Thr	Asp	Pro	Glu	Leu	Glu	Gly	Glu	Leu	Asp	Ser	Arg	Tyr	Ala	195	200	205	
Arg	Arg	Arg	Tyr	Tyr	Arg	Leu	Leu	Gln	Ser	Pro	Leu	Cys	Ala	Gly	Cys	210	215	220	
Ser	Ser	Asp	Lys	Gln	Gln	Cys	Trp	Cys	Arg	Gln	Ala	Leu	Glu	Gln	Phe	225	230	235	240
His	Gln	Leu	Ser	Gln	Val	Leu	His	Arg	Leu	Ser	Leu	Leu	Glu	Arg	Val	245	250	255	
Ser	Ala	Glu	Ala	Val	Thr	Thr	Thr	Leu	His	Gln	Val	Thr	Arg	Glu	Arg	260	265	270	
Met	Glu	Asp	Arg	Cys	Arg	Gly	Glu	Tyr	Glu	Arg	Ser	Phe	Leu	Arg	Glu				

275					280					285					
Phe	His	Lys	Trp	Ile	Glu	Arg	Val	Val	Gly	Trp	Leu	Gly	Lys	Val	Phe
290						295				300					
Leu	Gln	Asp	Gly	Pro	Ala	Arg	Pro	Ala	Ser	Pro	Glu	Ala	Gly	Asn	Thr
305				310						315				320	
Leu	Arg	Arg	Trp	Arg	Cys	His	Val	Gln	Arg	Phe	Phe	Tyr	Arg	Ile	Tyr
				325						330				335	
Ala	Ser	Leu	Arg	Ile	Glu	Glu	Leu	Phe	Ser	Ile	Val	Arg	Asp	Phe	Pro
		340						345				350			
Asp	Ser	Arg	Pro	Ala	Ile	Glu	Asp	Leu	Lys	Tyr	Cys	Leu	Glu	Arg	Thr
		355				360						365			
Asp	Gln	Arg	Gln	Gln	Leu	Leu	Val	Ser	Leu	Lys	Ala	Ala	Leu	Glu	Thr
370						375						380			
Arg	Leu	Leu	His	Pro	Gly	Val	Asn	Thr	Cys	Asp	Ile	Ile	Thr	Leu	Tyr
385				390						395				400	
Ile	Ser	Ala	Ile	Lys	Ala	Leu	Arg	Val	Leu	Asp	Pro	Ser	Met	Val	Ile
				405						410				415	
Leu	Glu	Val	Ala	Cys	Glu	Pro	Ile	Arg	Arg	Tyr	Leu	Arg	Thr	Arg	Glu
		420						425				430			
Asp	Thr	Val	Arg	Gln	Ile	Val	Ala	Gly	Leu	Thr	Gly	Asp	Ser	Asp	Gly
		435				440						445			
Thr	Gly	Asp	Leu	Ala	Val	Glu	Leu	Ser	Lys	Thr	Asp	Pro	Ala	Ser	Leu
450						455						460			
Glu	Thr	Gly	Gln	Asp	Ser	Glu	Asp	Asp	Ser	Gly	Glu	Pro	Glu	Asp	Trp
465				470						475				480	
Val	Pro	Asp	Pro	Val	Asp	Ala	Asp	Pro	Gly	Lys	Ser	Ser	Ser	Lys	Arg
				485				490						495	
Arg	Ser	Ser	Asp	Ile	Ile	Ser	Leu	Leu	Val	Ser	Ile	Tyr	Gly	Ser	Lys
		500						505				510			
Asp	Leu	Phe	Ile	Asn	Glu	Tyr	Arg	Ser	Leu	Leu	Ala	Asp	Arg	Leu	Leu
		515				520						525			
His	Gln	Phe	Ser	Phe	Ser	Pro	Glu	Arg	Glu	Ile	Arg	Asn	Val	Glu	Leu
530						535				540					
Leu	Lys	Leu	Arg	Phe	Gly	Glu	Ala	Pro	Met	His	Phe	Cys	Glu	Val	Met
545				550						555				560	

Leu Lys Asp Met Ala Asp Ser Arg Arg Ile Asn Ala Asn Ile Arg Glu
 565 570 575
 Glu Asp Glu Lys Arg Pro Ala Glu Glu Gln Pro Pro Phe Gly Val Tyr
 580 585 590
 Ala Val Ile Leu Ser Ser Glu Phe Trp Pro Pro Phe Lys Asp Glu Lys
 595 600 605
 Leu Glu Val Pro Glu Asp Ile Arg Ala Ala Leu Glu Ala Tyr Cys Lys
 610 615 620
 Lys Tyr Glu Gln Leu Lys Ala Met Arg Thr Leu Ser Trp Lys His Thr
 625 630 635 640
 Leu Gly Leu Val Thr Met Asp Val Glu Leu Ala Asp Arg Thr Leu Ser
 645 650 655
 Val Ala Val Thr Pro Val Gln Ala Val Ile Leu Leu Tyr Phe Gln Asp
 660 665 670
 Gln Ala Ser Trp Thr Leu Glu Glu Leu Ser Lys Ala Val Lys Met Pro
 675 680 685
 Val Ala Leu Leu Arg Arg Arg Met Ser Val Trp Leu Gln Gln Gly Val
 690 695 700
 Leu Arg Glu Glu Pro Pro Gly Thr Phe Ser Val Ile Glu Glu Glu Arg
 705 710 715 720
 Pro Gln Asp Arg Asp Asn Met Val Leu Ile Asp Ser Asp Asp Glu Ser
 725 730 735
 Asp Ser Gly Met Ala Ser Gln Ala Asp Gln Lys Glu Glu Glu Leu Leu
 740 745 750
 Leu Phe Trp Thr Tyr Ile Gln Ala Met Leu Thr Asn Leu Glu Ser Leu
 755 760 765
 Ser Leu Asp Arg Ile Tyr Asn Met Leu Arg Met Phe Val Val Thr Gly
 770 775 780
 Pro Ala Leu Ala Glu Ile Asp Leu Gln Glu Leu Gln Gly Tyr Leu Gln
 785 790 795 800
 Lys Lys Val Arg Asp Gln Gln Leu Val Tyr Ser Ala Gly Val Tyr Arg
 805 810 815
 Leu Pro Lys Asn Cys Ser
 820

<210> 933
 <211> 157
 <212> PRT
 <213> Homo sapiens

<400> 933

Met	Ser	Pro	Trp	Leu	Leu	Leu	Leu	Leu	Val	Val	Gly	Ser	Trp	Leu	Leu
1				5					10					15	
Ala	Arg	Ile	Leu	Ala	Trp	Thr	Tyr	Ala	Phe	Tyr	Asn	Asn	Cys	Arg	Arg
			20					25					30		
Leu	Gln	Cys	Phe	Pro	Gln	Pro	Pro	Lys	Arg	Asn	Trp	Phe	Trp	Gly	His
		35					40					45			
Leu	Gly	Leu	Ile	Thr	Pro	Thr	Glu	Glu	Gly	Leu	Lys	Asp	Ser	Thr	Gln
	50					55					60				
Met	Ser	Ala	Thr	Tyr	Ser	Gln	Gly	Phe	Thr	Val	Trp	Leu	Gly	Pro	Ile
65					70					75					80
Ile	Pro	Phe	Ile	Val	Leu	Cys	His	Pro	Asp	Thr	Ile	Arg	Ser	Ile	Thr
				85					90					95	
Asn	Ala	Ser	Ala	Ala	Ile	Ala	Pro	Lys	Asp	Asn	Leu	Phe	Ile	Arg	Phe
			100					105					110		
Leu	Lys	Pro	Trp	Leu	Gly	Glu	Tyr	Leu	Gln	Val	Lys	Gly	Val	Gly	Asp
		115					120					125			
Asn	Leu	Ala	Gly	Arg	Val	Gly	Glu	Val	Leu	Leu	Leu	Pro	Ile	Val	Leu
	130					135					140				
Gly	Cys	Pro	Thr	Arg	Arg	Arg	Asp	Thr	Ala	Glu	Trp	Arg			
145					150					155					

<210> 934
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 934

Leu	Val	Ile	Gly	Gly	Trp	Gly	Gln	Arg	Arg	Leu	Tyr	Arg
1				5				10				

<210> 935

<211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 935
 Met Ser Pro Trp Leu Leu Leu Leu Leu Val Val Gly Ser Trp Leu Leu
 1 5 10 15
 Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys Arg Arg
 20 25 30
 Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe Trp Gly His
 35 40 45
 Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys Asp Ser Thr Gln
 50 55 60
 Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val Trp Leu Gly Pro Ile
 65 70 75 80
 Ile Pro Phe Ile Val Leu Cys His Pro Asp Thr Ile Arg Ser Ile Thr
 85 90 95
 Asn Ala Ser Ala Ala Ile Ala Pro Lys Asp Asn Leu Phe Ile Arg Phe
 100 105 110
 Leu Lys Pro Trp Leu Gly Xaa Arg Asp Thr Ala Glu Trp Arg
 115 120 125

<210> 936
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 936

Gln Asn Thr Ile Glu Cys Gly Ser Ser Thr Ala Gly Val Cys Cys Ser
1 5 10 15

Gln Leu Trp Arg Leu Xaa Val Gln Xaa Xaa Gly Thr Gly Arg Leu His
20 25 30

Val Trp Trp Gly Pro Ala Ser Trp Ser Ile Ala Ser Thr Phe Ser Leu
35 40 45

His Pro Tyr Val Val Glu Glu Ala Gly Glu Leu Ser Gly Val Ser Phe
50 55 60

Val Thr Pro Phe Leu Arg Leu Val His Ser His Asp Leu Ile Thr Ser
65 70 75 80

Gln Arg Pro Cys Leu Leu Thr Pro Leu Pro
85 90

<210> 937

<211> 58

<212> PRT

<213> Homo sapiens

<400> 937

Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
1 5 10 15

Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
20 25 30

Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
35 40 45

Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
50 55

<210> 938

<211> 34

<212> PRT

<213> Homo sapiens

<400> 938

Leu Cys Val Ser His Pro Gly Ile Thr Cys Thr Pro Leu Trp Leu Cys

1	5	10	15
Val	Ile	Ser	Gln
Asn	Met	Glu	Leu
Ile	Leu	Met	Phe
Arg	Arg	Pro	Lys
20	25	30	

Leu Thr

<210> 939
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 939
 Thr Leu Thr Ala Lys Thr
 1 5

<210> 940
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 940
 Met Lys Leu Thr Phe Ser Phe Pro Trp Phe Thr Leu Thr Ala Leu Gln
 1 5 10 15

Leu Trp Ser Ala Thr Glu Cys Gln Ala Val Val Asp Thr Met Ile Ala
 20 25 30

Val Trp Ser Glu Gly Lys Gly Thr Gly Val Ser Trp Glu Pro Trp Leu
 35 40 45

Leu Gly Lys Leu Gln Ser Ser Ser Phe Leu
 50 55

<210> 941
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Leu Lys Xaa Ile Thr Ile Cys Cys Leu Gln Lys Thr His Leu His Ser
 1 5 10 15

Lys Gly Thr Glu Arg Met Lys Val Lys Gly Trp Glu Arg Val Tyr Trp
 20 25 30

Gly Asn Ile Thr Glu Gly Asn Met Met Asn Leu Tyr
 35 40

<210> 942

<211> 9

<212> PRT

<213> Homo sapiens

<400> 942

Leu Gly Ala Phe Ser Trp Ser Pro Lys
 1 5

<210> 943

<211> 96

<212> PRT

<213> Homo sapiens

<400> 943

Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
 1 5 10 15

Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
 20 25 30

Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
 35 40 45

Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
 50 55 60

His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
 65 70 75 80

Pro Gly Arg Asn Trp Asp Asn Pro Arg Thr Phe Leu Val Pro Ser Arg
 85 90 95

<210> 944

<211> 96
 <212> PRT
 <213> Homo sapiens

<400> 944
 Met Ala Arg Ser Leu Leu Ile Ile Leu Gly Ala Asp Phe Thr Phe Pro
 1 5 10 15
 Thr Ser Phe Asn Cys Phe Gln Lys Met Asn Leu Ala Lys Lys Ser Arg
 20 25 30
 Gly Ser Phe Thr His Leu Leu Thr His Ser Trp Cys Leu Ser Leu Phe
 35 40 45
 Leu Lys Glu Ala Asp Gln Gly Leu Arg Glu Asn Asn Phe Asp Phe Ser
 50 55 60
 His Val Cys Pro Ser Lys Pro Pro Leu Trp Thr Asp Ser Pro Ser Val
 65 70 75 80
 Pro Gly Arg Asn Trp Asp Asn Pro Arg Thr Phe Leu Val Pro Ser Arg
 85 90 95

<210> 945
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 945
 Met Leu Xaa Phe Xaa Phe Phe Leu Leu Phe Phe Phe Phe Trp Trp
 1 5 10 15
 Cys Cys Leu Ala Phe Phe Ser Phe Pro Phe
 20 25

<210> 946
<211> 77
<212> PRT
<213> Homo sapiens

<400> 946
Met Leu Leu Phe Phe Phe Phe Leu Leu Phe Phe Phe Phe Phe Phe Trp
1 5 10 15
Leu Val Leu Phe Gly Ile Phe Phe Phe Ser Phe Leu Lys Lys Met Phe
20 25 30
Ser Gly Asn Met Asn Lys His Thr Ala Asn Tyr Ser Gly Ala Gly Lys
35 40 45
Ala Gln Glu Leu Ala Thr Ser Gln Leu His Ser Trp Asp Gly Lys Pro
50 55 60
Cys Cys Glu Leu Leu Arg Leu Phe Thr Tyr Phe Thr Tyr
65 70 75

<210> 947
<211> 77
<212> PRT
<213> Homo sapiens

<400> 947
Met Leu Leu Phe Phe Phe Phe Leu Leu Phe Phe Phe Phe Phe Phe Trp
1 5 10 15
Leu Val Leu Phe Gly Ile Phe Phe Phe Ser Phe Leu Lys Lys Met Phe
20 25 30
Ser Gly Asn Met Asn Lys His Thr Ala Asn Tyr Ser Gly Ala Gly Lys
35 40 45
Ala Gln Glu Leu Ala Thr Ser Gln Leu His Ser Trp Asp Gly Lys Pro
50 55 60
Cys Cys Glu Leu Leu Arg Leu Phe Thr Tyr Phe Thr Tyr
65 70 75

<210> 948
<211> 11
<212> PRT
<213> Homo sapiens

<400> 948

Met Trp Arg Trp Leu Ser Ser Phe Trp Leu Leu
 1 5 10

<210> 949
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 949
 Met Trp Arg Trp Leu Ser Ser Phe Trp Leu Leu
 1 5 10

<210> 950
 <211> 378
 <212> PRT
 <213> Homo sapiens

<400> 950
 Ala Arg Glu Lys Pro Tyr Leu Val Glu Glu Ala Val Ser Tyr Asn Glu
 1 5 10 15

Leu Asp Tyr Val Ser Val Gly Leu Asp Gln Gln Thr Val Lys Leu Val
 20 25 30

Cys Thr Asn Arg Arg Lys Gln Phe Leu Leu Asp Thr Ala Asp Val Ala
 35 40 45

Leu Ala Glu Phe Phe Leu Ala Ser Leu Lys Ser Ala Met Ile Lys Gly
 50 55 60

Cys Arg Glu Pro Pro Tyr Pro Ser Ile Leu Thr Asp Ala Thr Met Glu
 65 70 75 80

Lys Leu Ala Leu Ala Lys Phe Val Ala Gln Glu Ser Lys Cys Glu Ala
 85 90 95

Ser Ala Val Thr Val Arg Phe Tyr Gly Leu Val His Trp Glu Asp Pro
 100 105 110

Thr Asp Glu Ser Leu Gly Pro Thr Pro Cys His Cys Ser Pro Pro Glu
 115 120 125

Gly Thr Ile Thr Lys Glu Gly Met Leu His Tyr Lys Ala Gly Thr Ser
 130 135 140

Tyr Leu Gly Lys Glu His Trp Lys Thr Cys Phe Val Val Leu Ser Asn
 145 150 155 160

Gly	Ile	Leu	Tyr	Gln	Tyr	Pro	Asp	Arg	Thr	Asp	Val	Ile	Pro	Leu	Leu	165	170	175
Ser	Val	Asn	Met	Gly	Gly	Glu	Gln	Cys	Gly	Gly	Cys	Arg	Arg	Ala	Asn	180	185	190
Thr	Thr	Asp	Arg	Pro	His	Ala	Phe	Gln	Val	Ile	Leu	Ser	Asp	Arg	Pro	195	200	205
Cys	Leu	Glu	Leu	Ser	Ala	Glu	Ser	Glu	Ala	Glu	Met	Ala	Glu	Trp	Met	210	215	220
Gln	His	Leu	Cys	Gln	Ala	Val	Ser	Lys	Gly	Val	Ile	Pro	Gln	Gly	Val	225	230	235
Ala	Pro	Ser	Pro	Cys	Ile	Pro	Cys	Cys	Leu	Val	Leu	Thr	Asp	Asp	Arg	245	250	255
Leu	Phe	Thr	Cys	His	Glu	Asp	Cys	Gln	Thr	Ser	Phe	Phe	Arg	Ser	Leu	260	265	270
Gly	Thr	Ala	Lys	Leu	Gly	Asp	Ile	Ser	Ala	Val	Ser	Thr	Glu	Pro	Gly	275	280	285
Lys	Glu	Tyr	Cys	Val	Leu	Glu	Phe	Ser	Gln	Asp	Ser	Gln	Gln	Leu	Leu	290	295	300
Pro	Pro	Trp	Val	Ile	Tyr	Leu	Ser	Cys	Thr	Ser	Glu	Leu	Asp	Arg	Leu	305	310	315
Leu	Ser	Ala	Leu	Asn	Ser	Gly	Trp	Lys	Thr	Ile	Tyr	Gln	Val	Asp	Leu	325	330	335
Pro	His	Thr	Ala	Ile	Gln	Glu	Ala	Ser	Asn	Lys	Lys	Lys	Phe	Glu	Asp	340	345	350
Ala	Leu	Ser	Leu	Ile	His	Ser	Ala	Trp	Gln	Arg	Ser	Asp	Ser	Leu	Cys	355	360	365
Arg	Gly	Arg	Ala	Ser	Arg	Asp	Pro	Trp	Cys							370	375	

<210> 951
 <211> 134
 <212> PRT
 <213> Homo sapiens

<400> 951
 Ser Pro Ala Arg His Pro Thr Thr Ser Ser Arg His Thr Trp Trp Glu
 1 5 10 15

Ser Gly Asn Ala Val Pro Pro Gly Ser Pro Phe His Gly Arg Pro Leu
 20 25 30
 Leu Leu Leu Gln Pro Ala Gly Pro Val Pro Phe Gln Asp Gln Pro Phe
 35 40 45
 Asp Pro Ser Gln Gly Pro Trp Pro Gly Leu His Cys Arg Pro Gln Gly
 50 55 60
 Leu Met His Ser Met Cys Leu Pro Asp Leu Thr Pro Glu Asp Gly Gly
 65 70 75 80
 Lys Ala Gln Asp His Thr Ala Leu Gly His Ser Arg Glu Gln Asp Thr
 85 90 95
 Pro Gly Val Gln Glu Asn Phe Gln Gly Ala Ala Pro Leu Asp Arg Tyr
 100 105 110
 Thr Arg Arg Phe Asn Thr Leu Tyr Tyr Leu Gly Asn Gln Arg Arg Gly
 115 120 125
 Ile Ile Lys Thr Arg Lys
 130

<210> 952
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 952
 Met Ala Thr Ala Ser Ile Asn Asn Leu Ile Ser Ser Leu Leu Leu His
 1 5 10 15
 Leu Ser Leu Leu Ser Ser Lys Ala Gly Lys Phe Leu Ile Trp Lys Glu
 20 25 30
 His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
 35 40 45
 Asn Gly Leu Ser Asn His Lys Gly Lys Ser
 50 55

<210> 953
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 953

Met Ala Thr Ala Ser Ile Asn Asn Leu Ile Ser Ser Leu Leu Leu His
1 5 10 15

Leu Ser Leu Leu Ser Ser Lys Ala Gly Lys Phe Leu Ile Trp Lys Glu
20 25 30

His Lys Thr Ala Cys Gly Cys Tyr Ala Asn Ser Thr Cys Leu Leu Pro
35 40 45

Asn Gly Leu Ser Asn His Lys Gly Lys Ser
50 55

<210> 954

<211> 63

<212> PRT

<213> Homo sapiens

<400> 954

Glu Asn Lys Arg Leu His Phe Gly Glu Ala Ser Thr Leu Ser Gly Leu
1 5 10 15

Leu Phe Cys Phe Met Ser Trp Cys Leu Gly Glu Asp Leu Ala Gly Phe
20 25 30

Ile Gln Ser Gly Arg Val Trp Ala Ile Leu Glu Asn Val Pro Ser Ile
35 40 45

Ser Glu Asn Lys Ser Ala Pro Ser Thr Cys Leu His Pro Gly Asp
50 55 60

<210> 955

<211> 77

<212> PRT

<213> Homo sapiens

<400> 955

Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
1 5 10 15

Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
20 25 30

Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
35 40 45

His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
50 55 60

Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
65 70 75

<210> 956
<211> 77
<212> PRT
<213> Homo sapiens

<400> 956
Met Ala Gly Leu Gly Leu Leu Ser Leu Val Gln Phe Ser Val Thr Gly
1 5 10 15
Gly His Trp Thr Gly Ile Ala Asp Ser Leu Val Ala Thr Leu Gly Cys
20 25 30
Arg Leu Ser Gly Ser Val Pro Pro Pro Leu Leu Pro Ala Pro Ser Gly
35 40 45
His Ser Arg Ala Leu His Gln Thr Leu Thr Trp Cys Leu His Leu Leu
50 55 60

Ser Leu Ser Pro Ser Ser Asn Pro Trp Lys Ser Leu Val
65 70 75

<210> 957
<211> 27
<212> PRT
<213> Homo sapiens

<400> 957
Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
1 5 10 15
Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
20 25

<210> 958
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Ala Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Trp Xaa Glu Glu
1 5 10 15

Gly Gly Ser Pro Glu Val Arg Ser Ser Arg Pro Ala
20 25

<210> 959

<211> 27

<212> PRT

<213> Homo sapiens

<400> 959

Met Arg Ala Arg Thr Leu Pro Pro Ser Leu Leu Cys Leu Trp Cys Leu
1 5 10 15

Ala Pro Tyr Leu Asn Ile Cys Trp Met Asn Gly
20 25

<210> 960

<211> 13

<212> PRT

<213> Homo sapiens

<400> 960

Pro Pro Arg Ala Ser Trp Ser Pro Arg Glu His Val Leu
1 5 10

<210> 961

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 961

Met Xaa Xaa His Glu Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro

1	5	10	15
Thr Ser Ile Leu Leu Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser	20	25	30
Ser Trp Val Asn Pro Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg	35	40	45
Gln Lys Leu Ile Cys Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met	50	55	60
Lys Arg Lys Thr Ser Gly	65	70	

<210> 962

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 962

Ser Leu Ala Leu Asn Ser Pro Pro Pro Gly Leu Arg Val Pro Arg Glu	1	5	10	15
---	---	---	----	----

Glu Arg Leu Leu Ala Thr Ser Leu Leu Gln Gly Ala Leu Pro Ala Gly	20	25	30
---	----	----	----

Pro Cys Pro Ser Thr Thr Leu Leu Ser Trp His Arg Pro Ala Xaa Pro	35	40	45
---	----	----	----

Pro Gly Ala Gln Gly	50
---------------------	----

<210> 963

<211> 65

<212> PRT

<213> Homo sapiens

<400> 963

Ser Ile Leu Leu Val Ser Leu Asp Leu Leu Pro Thr Ser Ile Leu Leu	1	5	10	15
---	---	---	----	----

Val Ser Leu Trp Ile Cys Ser Pro Pro Pro Ser Ser Trp Val Asn Pro	20	25	30
---	----	----	----

Gly Ser Phe Val Gly Tyr Leu Glu Arg Lys Arg Gln Lys Leu Ile Cys
35 40 45

Gln Met Thr Arg Thr Asn Arg Leu Phe Gly Met Lys Arg Lys Thr Ser
50 55 60

Gly
65

<210> 964
<211> 3
<212> PRT
<213> Homo sapiens

<400> 964
Asp Leu Lys
1

<210> 965
<211> 9
<212> PRT
<213> Homo sapiens

<400> 965
Met Asn Glu Lys Phe Leu Pro Pro Leu
1 5

<210> 966
<211> 51
<212> PRT
<213> Homo sapiens

<400> 966
Met Leu Arg Pro Pro Arg Trp Ala Leu Met Ala Ala Ser Ser His Pro
1 5 10 15

Pro Pro Leu Trp Ser Trp Val Leu Gly Leu Ala Ala His Pro Thr Gly
20 25 30

Met Ser Pro Gly Thr Gly Pro His His Gly Trp Val Ser Ala Ser Ser
35 40 45

Ser Ser Ser
50

<210> 967
 <211> 244
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (231)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 967
 Met Arg Ala Pro Phe Asn Thr Leu Phe Gly Arg Leu Phe Gly Leu Leu
 1 5 10 15
 Leu Val Ala Ile Val Leu Ala His Xaa Leu Ala Phe Phe Trp Phe His
 20 25 30
 His Tyr Gly Pro Pro Pro Pro Xaa Xaa Ala Xaa Phe Val Glu Gln Pro
 35 40 45
 Asp Gly Ser Leu Thr Pro Leu Arg Lys Ala Pro Arg Pro Trp Phe Gly
 50 55 60
 Gly Pro Val Val Pro Leu Thr Phe Gln Phe Ile Ser Leu Ile Ile Ala
 65 70 75 80

Ala	Trp	Tyr	Gly	Ala	Lys	Leu	Leu	Ser	Arg	Pro	Ile	Gln	Arg	Leu	Ser
				85					90					95	
Ala	Ala	Ala	Glu	Arg	Leu	Ser	Val	Asp	Leu	Asp	Ser	Pro	Pro	Leu	Val
			100					105					110		
Glu	Thr	Gly	Pro	Arg	Glu	Ala	Arg	Gln	Ala	Ala	Ser	Thr	Phe	Asn	Leu
		115					120					125			
Met	Gln	Lys	Arg	Ile	Arg	Glu	Gln	Val	Ser	Gln	Arg	Ala	Arg	Met	Leu
		130				135					140				
Gly	Ala	Val	Ser	His	Asp	Leu	Arg	Thr	Pro	Leu	Ser	Arg	Leu	Lys	Leu
145					150					155					160
Arg	Leu	Glu	Gln	Ile	Glu	Asp	Pro	Lys	Leu	Gln	Gly	Gln	Met	Arg	Gln
				165					170					175	
Asp	Leu	Asp	Asp	Met	Ile	Gly	Met	Leu	Asp	Ala	Thr	Leu	Ser	Tyr	Leu
			180					185					190		
His	Glu	Gln	Arg	Thr	Ser	Glu	Thr	Arg	His	Trp	Leu	Asp	Val	Gln	Ala
		195					200					205			
Leu	Val	Glu	Ser	Leu	Ser	Glu	Asn	Ala	Gln	Asp	Gln	Gly	Arg	Asp	Val
	210					215					220				
Gln	Phe	Phe	Phe	Gly	Gly	Xaa	Pro	Pro	Gly	Gly	Gly	Xaa	Pro	Lys	Thr
225					230					235					240
Pro	Pro	Pro	Phe												

<210> 968

<211> 244

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (231)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (237)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 968

Met	Arg	Ala	Pro	Phe	Asn	Thr	Leu	Phe	Gly	Arg	Leu	Phe	Gly	Leu	Leu			
1				5					10					15				
Leu	Val	Ala	Ile	Val	Leu	Ala	His	Val	Leu	Ala	Phe	Phe	Trp	Phe	His			
			20					25					30					
His	Tyr	Gly	Pro	Pro	Pro	Pro	Pro	Arg	Ala	Ala	Phe	Val	Glu	Gln	Pro			
		35					40					45						
Asp	Gly	Ser	Leu	Thr	Pro	Leu	Arg	Lys	Ala	Pro	Arg	Pro	Trp	Phe	Gly			
	50					55					60							
Gly	Pro	Val	Val	Pro	Leu	Thr	Phe	Gln	Phe	Ile	Ser	Leu	Ile	Ile	Ala			
65					70					75					80			
Ala	Trp	Tyr	Gly	Ala	Lys	Leu	Leu	Ser	Arg	Pro	Ile	Gln	Arg	Leu	Ser			
				85					90					95				
Ala	Ala	Ala	Glu	Arg	Leu	Ser	Val	Asp	Leu	Asp	Ser	Pro	Pro	Leu	Val			
			100					105					110					
Glu	Thr	Gly	Pro	Arg	Glu	Ala	Arg	Gln	Ala	Ala	Ser	Thr	Phe	Asn	Leu			
		115					120					125						
Met	Gln	Lys	Arg	Ile	Arg	Glu	Gln	Val	Ser	Gln	Arg	Ala	Arg	Met	Leu			
	130					135					140							
Gly	Ala	Val	Ser	His	Asp	Leu	Arg	Thr	Pro	Leu	Ser	Arg	Leu	Lys	Leu			
145					150					155					160			
Arg	Leu	Glu	Gln	Ile	Glu	Asp	Pro	Lys	Leu	Gln	Gly	Gln	Met	Arg	Gln			
				165					170					175				
Asp	Leu	Asp	Asp	Met	Ile	Gly	Met	Leu	Asp	Ala	Thr	Leu	Ser	Tyr	Leu			
			180					185					190					
His	Glu	Gln	Arg	Thr	Ser	Glu	Thr	Arg	His	Trp	Leu	Asp	Val	Gln	Ala			
		195					200					205						
Leu	Val	Glu	Ser	Leu	Ser	Glu	Asn	Ala	Gln	Asp	Gln	Gly	Arg	Asp	Val			
	210					215					220							
Gln	Phe	Phe	Phe	Gly	Gly	Xaa	Pro	Pro	Gly	Gly	Gly	Xaa	Pro	Lys	Thr			
225					230					235					240			
Pro	Pro	Pro	Phe															

<210> 969

<211> 85

<212> PRT

<213> Homo sapiens

<400> 969

Gly Ile Gly Ser Arg Val Arg Ala Ala Phe Ile Ala Leu Glu Pro Ser
1 5 10 15

Leu Gly Met Gly Phe Ser Lys Asn Trp Gln Ala His Arg Leu Pro Ser
20 25 30

Lys Trp Val Arg Thr Ala Tyr Pro Ser Ile Glu Thr His Tyr Leu Phe
35 40 45

Tyr Leu Phe Leu Ser Gly Ser Gly Ala Arg Cys Ser Tyr Phe Ser His
50 55 60

Leu Arg Trp Asp Ile Leu Gly Gln Thr Arg Glu Ile Leu Glu Ala Ile
65 70 75 80

Ser Val Val Asn Pro
85

<210> 970

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

Met Lys Thr Val Ser Leu Leu Leu Thr Leu Trp Phe Ser Gln Thr Phe
1 5 10 15

Ser Phe Asn Leu Phe Phe Ala Pro Pro His Ser Leu Leu Gln Ser Ser
20 25 30

Ile Xaa Xaa Ser Val Ser Ser Ile Thr Thr Val His Pro Xaa Leu Gly

35

40

45

Leu Leu Phe Cys Ile Leu
50

<210> 971

<211> 37

<212> PRT

<213> Homo sapiens

<400> 971

Ile Leu Leu Gly Leu Trp Gln Ser Val Leu Gly Ser Ser Ile Trp Gly
1 5 10 15

Gln Pro Leu Ser Tyr Asn Cys Gln Glu Pro His Asn Cys Leu Phe Asn
20 25 30

His Ser Asp Phe Lys
35

<210> 972

<211> 56

<212> PRT

<213> Homo sapiens

<400> 972

Met Lys Thr Val Ser Leu Leu Leu Thr Leu Trp Phe Ser Gln Thr Phe
1 5 10 15

Ser Phe Asn Leu Phe Phe Ala Pro Pro His Ser Leu Leu Gln Ser Ser
20 25 30

Ile Phe Phe Ser Val Ser Ser Ile Thr Thr Val His Pro Ile Leu Val
35 40 45

Phe Phe Phe Ala Phe Phe Arg Thr
50 55

<210> 973

<211> 65

<212> PRT

<213> Homo sapiens

<400> 973

Lys Leu Thr Gln Ala Gly Ser Gly Tyr Val His Arg Glu Ile Phe Pro
1 5 10 15

Arg Val Cys Phe Phe Asp Ile Leu Ser Pro Ser Phe Tyr Leu Leu Ala
 20 25 30

Gly Ile Ser Cys Pro Thr Thr Pro Val Ile Ile Cys Lys Pro Leu Tyr
 35 40 45

Ser Phe Gln Cys Leu Lys Val Ile His Lys Glu Gly Arg Asn Lys Arg
 50 55 60

Val
 65

<210> 974
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 974
 Met Thr Leu Ser Asn Trp Glu Tyr Gly Phe His
 1 5 10

<210> 975
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 975
 Met Pro Phe Tyr Tyr Ala Gly Leu Ile Leu Met Glu Met Arg Leu Thr
 1 5 10 15

Ile Ala Lys Thr Pro Val Glu Thr Gln Gln Ser Trp Pro Ala Phe Leu
 20 25 30

Trp Tyr Phe Gly Cys Gly Ser Cys Asp Gly Tyr Ser Ile Lys His Cys
 35 40 45

Ile Ser Leu His Leu Leu Ser Phe Ser Leu Gln Lys
 50 55 60

<210> 976
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 976

Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
 1 5 10 15

Gly Ile Ser Gly Arg Arg Ser Gln
 20

<210> 977

<211> 128

<212> PRT

<213> Homo sapiens

<400> 977

Pro Glu Thr Phe Leu Leu Val Thr Gly Ser Gln Trp Gly Ile Leu Gly
 1 5 10 15

Cys Gln Gly Pro Arg Val Thr Cys Val Gln Leu Phe Tyr Gly Ser Arg
 20 25 30

Gly Leu Ser Leu Arg Gln Ala Thr Lys Cys Pro Gly Cys His Pro Pro
 35 40 45

Trp Ser Pro Ser Val Pro His Ala Trp Ser Pro Ala Ser Pro Arg Ile
 50 55 60

Pro Val Ala Phe Ile Ser Gly Gln Leu Pro Ala Arg Pro Gly Leu Gly
 65 70 75 80

His Gly Leu Arg His Glu Ala Arg Pro Pro Pro Ala Pro Leu Pro Arg
 85 90 95

Gly Ser Ser Ile Pro Leu His Phe Trp Asn Val Cys Ala Ser Met Met
 100 105 110

Phe Val Tyr Leu Arg His Leu Lys Ile Tyr Phe Arg Tyr Glu Gly Lys
 115 120 125

<210> 978

<211> 23

<212> PRT

<213> Homo sapiens

<400> 978

Ile Cys Leu Trp Gly Arg Pro Asn Leu Thr Thr Gln Gly Thr Leu Lys
 1 5 10 15

Gly Ile Ser Gly Arg Arg Ser
20

<210> 979
<211> 78
<212> PRT
<213> Homo sapiens

<400> 979
Arg His Leu Gln Val Gly Gly Gly Gln His Gln Cys Gly Gln Ala Cys
1 5 10 15
Leu Asp Ser Ser Tyr Arg Pro Leu Leu Cys Met Met Trp Glu Pro Gly
20 25 30
His Ser His Ala Pro Ser Arg Ala Gln Gly Cys Gly Ser Thr Thr Glu
35 40 45
His Pro Leu Ser His Cys Pro Pro Leu Pro Arg Ala Leu Pro Ser Pro
50 55 60
Pro Leu Leu His His Ser Ser Phe Lys Val Pro Leu Leu Tyr
65 70 75

<210> 980
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980
Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
1 5 10 15
Leu Pro Gly Thr Thr Trp Gly Leu Thr Leu Phe Ser Met Leu Cys Cys
20 25 30
Phe Trp Pro Leu Gly Ile Ala Ala Phe Tyr Phe Ser Gln Gly Thr Ser
35 40 45
Lys Ala Ile Ser Lys Gly Asp Phe Arg Leu Ala Ser Thr Thr Ser Arg
50 55 60
Arg Ala Leu Phe Leu Ala Thr Xaa Ala Ile Ala Val Gly Ala Gly Leu

65		70		75		80									
Tyr	Val	Ala	Val	Val	Val	Ala	Leu	Ala	Ala	Tyr	Met	Ser	Gln	Asn	Gly
				85					90					95	

His Gly

<210> 981
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 981
 Met Pro Leu Gln Arg Arg Val Lys Val Lys Thr Thr Ser Ser Arg Cys
 1 5 10 15
 Leu Pro Gly Thr Thr Trp Asp Leu Leu Ser Ser Pro Cys Ser Ala Ala
 20 25 30
 Ser Gly His Trp Ala Leu Leu Pro Ser Thr Ser Pro Arg Gly Pro Ala
 35 40 45
 Arg Pro Ser Pro Lys Gly Thr Ser Ala Trp Pro Ala Pro Pro Pro Ala
 50 55 60
 Gly Pro Ser Ser
 65

<210> 982
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 982

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Xaa Lys Leu Lys Ala Glu Lys Cys
20 25 30

Trp Asn Met Thr Leu Phe Ile Ala Val Gly Lys Met Gly Gly Trp Gly
35 40 45

Thr Trp Xaa Met Leu Glu Ile Xaa Ala Leu Cys Glu Gly Pro Val Gly
50 55 60

Glu Asp Ala Leu
65

<210> 983

<211> 8

<212> PRT

<213> Homo sapiens

<400> 983

Arg Val Phe Pro Val Thr Thr Leu
1 5

<210> 984

<211> 32

<212> PRT

<213> Homo sapiens

<400> 984

Met Leu Leu Pro Leu Phe Thr Leu Leu Ile Leu Leu Leu Arg Val Phe
1 5 10 15

Pro Lys Glu Ile Ile Gln Asn Arg Lys Lys Leu Lys Ala Glu Lys Cys
20 25 30

<210> 985

<211> 10

<212> PRT

<213> Homo sapiens

<400> 985
 Met Gly Leu Phe Leu Phe Leu Val Ser Ser
 1 5 10

<210> 986
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 986
 Met Gly Leu Phe Leu Phe Leu Val Ser Ser
 1 5 10

<210> 987
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 987
 Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
 1 5 10 15

 Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
 20 25 30

 Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
 35 40 45

 Ile Ser Phe Leu Phe Ser Ala Trp
 50 55

<210> 988
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 988
 Met Leu Thr Gly Val Ile Ser Gly Ser Thr Gly Ala Met Ala Leu Ser
 1 5 10 15

 Leu Ala Ser Leu Ser Ala His Cys Phe Ala Phe Arg Cys Leu Ala Ala
 20 25 30

 Pro Phe Tyr Phe Phe Ala Gly Leu Gly Lys His Gly Arg Arg Ile Leu
 35 40 45

Ile Ser Phe Leu Phe Ser Ala Trp
 50 55

<210> 989
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 989
 Ala Glu Xaa Ala Pro Leu His Phe His Leu Gly Asp Gly Glu Arg Leu
 1 5 10 15
 His Leu Lys Lys Lys Lys Asn Lys Lys Lys Lys Pro Lys Gln Gly Trp
 20 25 30
 Ala Arg Trp Leu Thr Pro Val Ile Ser Ala Leu Leu Glu Xaa Gly Ala
 35 40 45
 Gly Val Ser Pro Glu Val Met Ser
 50 55

<210> 990
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 990
 Met Leu Val Ile Ile Ile Met Thr Ala Leu Val Ser His Val Pro Ser
 1 5 10 15
 Val His Ser Val Pro His Ala Val Pro Phe Thr Ser Ser
 20 25

<210> 991
 <211> 29
 <212> PRT

<213> Homo sapiens

<400> 991

Met	Leu	Val	Ile	Ile	Ile	Met	Thr	Ala	Leu	Val	Ser	His	Val	Pro	Ser
1				5					10					15	

Val	His	Ser	Val	Pro	His	Ala	Val	Pro	Phe	Thr	Ser	Ser
			20					25				

<210> 992

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Val	Phe	Lys	Thr	Ile	Arg	Xaa	Arg	Glu	Ile	Ile	Leu	Tyr	His	Glu	Asn
1				5					10					15	

Ser	Thr	Gly	Lys	Thr	His	Pro	His	Asp	Ser	Leu	Ile	Ser	His	Trp	Val
			20					25					30		

Pro	Xaa	Thr	Thr	Gln	Gly	Asn	Tyr	Gly	Ser	Tyr	Lys	Met	Arg	Phe	Gly
			35				40					45			

Trp	Gly	His	Arg	Ala	Arg	Pro	Tyr	Gln	Pro	Pro	Lys
	50					55					60

<210> 993

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993

Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
 1 5 10 15

Cys Gln Met Val Val Ser Val Met Gly Lys Arg Xaa Gln Gly Arg Arg
 20 25 30

Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
 35 40 45

Gly Cys Cys Val Thr
 50

<210> 994

<211> 12

<212> PRT

<213> Homo sapiens

<400> 994

Leu Cys Trp Thr Arg Ser Ser Val Ile Gly Ala His
 1 5 10

<210> 995

<211> 53

<212> PRT

<213> Homo sapiens

<400> 995

Met Asp Ile Gln Gly Lys Ala Leu Tyr Ile Arg Phe Leu Leu Thr Leu
 1 5 10 15

Cys Gln Met Val Val Ser Val Met Gly Lys Arg Arg Gln Gly Arg Arg
 20 25 30

Gly Leu Gly Gly Ala Ala Ala Val Gly Arg Glu Ile Cys Arg Arg Trp
 35 40 45

Gly Cys Cys Val Thr
 50

<210> 996

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996

Lys Gln Gly Ser Leu Leu Gly Trp Ser Arg Val Ile Met Val Arg Gly
1 5 10 15

Ala Gln Ser Tyr Xaa Lys Gly Val Leu Cys Arg His Trp Lys Lys Phe
20 25 30

Gly Phe Tyr Ser Lys Trp Asn Trp Lys Pro Leu Glu Cys Phe Gln Asn
35 40 45

Arg Ser Asp Val Ile
50

<210> 997

<211> 53

<212> PRT

<213> Homo sapiens

<400> 997

Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe
1 5 10 15

Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
20 25 30

Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
35 40 45

Leu His Phe Lys Leu
50

<210> 998

<211> 53

<212> PRT

<213> Homo sapiens

<400> 998

Met Arg Leu Ile Leu Phe Ala Met Ser Pro Lys Leu Leu Phe Leu Phe
1 5 10 15

Leu Phe Leu Tyr Ile Ser Val Lys Ser Phe Asp Leu Val Leu Ser Phe
20 25 30

Arg Ser Val Leu Phe Met Ser Asp Leu Ile His Cys Phe Tyr His Gln
35 40 45

Leu His Phe Lys Leu
50

<210> 999

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 999

Leu Gly Ile Trp Leu Ile Pro Gly Leu Arg Arg Ala Asn Pro Lys Ile
1 5 10 15

Ser Leu Glu Tyr Leu Met Val Pro Glu Asn Lys Tyr Ser Lys Asn Cys
20 25 30

Glu Xaa Met Leu Lys Gly Leu Arg Ser Gln Pro Glu Gly Ala Ala Asn
35 40 45

Gly Gln Ser Trp Asn Asn Ser Asn Lys Val Asn Lys Tyr Ser Ile Gly
50 55 60

Leu Leu Leu Asn Lys Cys Met Ile His Glu Ser Thr Leu Lys Asp
65 70 75

<210> 1000

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1000

Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15

Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30

Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1001

<211> 43
<212> PRT
<213> Homo sapiens

<400> 1001
Met Phe His Arg Phe Phe Ile Leu Ser Ala Leu Ser Arg Ile Arg Ala
1 5 10 15
Leu Thr Thr Phe Leu Asp Asp Leu Gly Met Thr His Gln Thr Leu Leu
20 25 30
Leu Leu Leu Gly Pro Ser Ile Tyr Ser Phe Cys
35 40

<210> 1002
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (109)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002

Val	Gln	Val	Leu	Thr	Gln	Tyr	Tyr	Gln	Ser	Asn	Ile	Leu	Asn	Ile	Leu
1				5					10					15	
Ser	Gln	Val	Ile	Cys	Leu	Ser	Ile	Val	Tyr	Phe	Glu	Gly	Phe	Leu	Ser
			20					25					30		
Phe	Thr	Phe	Asn	Leu	Phe	Phe	Ile	Ser	Ile	Ser	Ser	Xaa	Val	Ala	Leu
		35					40					45			
Ser	Tyr	Ser	Tyr	Pro	Asp	Ile	His	Leu	Ile	Ser	Glu	Gly	Leu	Asp	Ile
	50					55					60				
Thr	Leu	Val	Lys	Met	Gln	Ser	Asp	Leu	Ile	Leu	Phe	Leu	Lys	Gln	Thr
65					70					75					80
Ala	Val	Leu	Leu	Glu	Arg	Pro	Arg	Ala	His	Arg	Phe	Ser	Thr	Arg	Val
				85					90					95	
Gly	Tyr	Xaa	Val	Ser	Val	His	Xaa	Ser	Gly	Ser	Xaa	Xaa	Val	Xaa	
			100					105					110		

<210> 1003

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003

Met	Leu	Tyr	Val	Arg	Leu	Leu	Lys	Asn	Thr	Lys	Ile	Xaa	Val	Leu	Ile
1				5					10					15	
Leu	Pro	Leu	Phe	Ile	Leu	Phe	Leu	Thr	Leu	Phe	Leu	Phe	Ile	Pro	Asn
			20					25					30		
Gly	Phe	Leu	Phe	Val	Phe	Val	Ser	Leu	Tyr	Phe					
		35					40								

<210> 1004

<211> 118

<212> PRT

<213> Homo sapiens

<400> 1004

Met	Phe	Ile	Val	Phe	Ser	Val	Leu	Leu	Leu	Phe	Phe	Gln	Phe	Ala	Ile
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	5	10	15
Cys Gln Phe Ala Asp Leu Ala Ile Phe Pro Leu Ser Met Cys Gln Leu	20	25	30
Cys Asn Leu Ser Ala Arg Leu Ala Ala Pro Ser Ala Arg Phe Glu Gly	35	40	45
Leu Gly Ile Asn Arg Thr Arg Lys Ala Glu Gly Ser Leu Pro Thr Thr	50	55	60
Ala Val Gln Leu Leu Pro Tyr Lys Ser Gln Ala Val Gln Val Gln His	65	70	75
Pro Gln Ala Val Ile Val Asp Lys Leu Ser Val Ile Ser Leu Arg Ser	85	90	95
Ile Cys Ile Asp Gln Leu Lys Phe Met Glu Met Glu Asn Ile Ile Lys	100	105	110
Pro Gly Tyr Val Thr Ser	115		

<210> 1005

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ile Lys Ser Cys Ser Ser Phe Tyr Leu Gly Ser Arg Val Asn Arg	1	5	10	15
---	---	---	----	----

Ala Gln Leu Thr Asn Tyr Pro Pro Ala Met Arg Thr Tyr Val Tyr Glu	20	25	30
---	----	----	----

Cys His Cys Asp Lys Ser Thr Ser Arg Ala Thr Ala Gly Pro Ser Ile
 35 40 45

Phe His Pro Gly Gly Val Xaa Gly Met Trp Xaa Ile Phe Ala Xaa Val
 50 55 60

<210> 1006

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006

His Ser Pro Glu Ser Cys Tyr Ser Phe Asn Leu Gly Ser Arg Met Arg
 1 5 10 15

Ile Ser Val Glu Xaa Lys Xaa Ala Lys Ser Asn Ser Ala Ala Asp Asn
 20 25 30

Pro Glu Thr Leu Arg Lys Gly Tyr Val Xaa
 35 40

<210> 1007

<211> 76

<212> PRT

<213> Homo sapiens

<400> 1007

Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu
 1 5 10 15

Leu Val Gly Asp Val Leu Ala Ser Lys Ser Ser Thr Val Leu Phe Leu
20 25 30

Pro Gly Asp Ser Ser Pro Gly Cys Ser Met Ile Thr Pro Leu Pro Pro
35 40 45

Ser Arg Met Cys Leu Lys Ala Gly Ser Ser Gly Glu Gln Thr Val Val
50 55 60

Pro Leu Ser Leu Leu Leu Arg Ser Lys Ser Ser Lys
65 70 75

<210> 1008

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

Met Leu Val Leu Leu Ser Leu Leu Ala Ser Gly Gly Leu Pro Leu Leu
1 5 10 15

Leu Val Gly Asp Val Leu Ala Ser Lys Ser Ser Thr Val Leu Phe Leu
20 25 30

Pro Gly Asp Ser Ser Pro Gly Cys Ser Met Ile Thr Pro Leu Pro Pro
35 40 45

Ser Arg Met Cys Leu Lys Ala Gly Ser Ser Gly Glu Gln Thr Val Val
50 55 60

Pro Leu Ser Leu Leu Leu Xaa Ser Lys Ser Ser Lys
65 70 75

<210> 1009

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1009

Cys His Leu Gln His Ser Cys Arg Glu
1 5

<210> 1010
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 1010
 Met Thr Ala Leu Phe Cys Ser Leu Leu His Ser Leu Val Ser Leu Leu
 1 5 10 15
 Leu Pro Thr Lys Trp Gly Gln Gly Lys Ala Phe Leu Thr Gly Pro Leu
 20 25 30
 Phe Ser

<210> 1011
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 1011
 Phe Ser Cys Cys Leu Ser Leu Pro Ile Ser
 1 5 10

<210> 1012
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1012
 Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
 1 5 10 15
 Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
 20 25 30
 Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
 35 40 45
 Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
 50 55 60
 Ala Ser Leu Pro Gly Val Gln
 65 70

<210> 1013
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 1013
 Met Trp Cys Leu Val Phe Cys Ser Cys Val Ser Leu Pro Arg Met Met
 1 5 10 15
 Ala Ser Ser Phe Ile His Asp Ile Ala Lys Asp Met Ile Ser Phe Leu
 20 25 30
 Phe Met Ser Ala Trp Tyr Tyr Thr Tyr Phe Asn Ser Phe Glu Ile Tyr
 35 40 45
 Arg Phe Gln Phe Thr Phe Ile Glu Tyr Ser Leu Trp Val Lys His His
 50 55 60
 Ala Ser Leu Pro Gly Val Gln
 65 70

<210> 1014
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1014
 Ala Arg Arg Glu Gly Arg Ser Arg Thr Ala Val Gly Ser Thr Pro Ala
 1 5 10 15
 Ala Pro Leu Ser Leu Thr Arg Gly Gly Gln Cys Pro Ser Arg Gly Ser
 20 25 30
 Pro Leu Ala Leu Phe Gly His Pro Leu Ala Ser Gln Lys His Ser Glu
 35 40 45
 Thr Lys Thr Phe Pro Phe Pro Pro Pro His Met Val Leu Arg Leu Pro
 50 55 60
 Ala Ala Met Gln Leu Lys Gln Leu Ile Phe
 65 70

<210> 1015
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 1015

Met Ser Leu Ser Leu Ile Ser Leu Ser Phe Leu Phe Pro Ala Gly Ala
 1 5 10 15

Gly Arg Arg Ser Cys
 20

<210> 1016

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1016

Met Ser Leu Ser Leu Ile Ser Leu Ser Phe Leu Phe Pro Ala Gly Ala
 1 5 10 15

Gly Arg Arg Ser Cys
 20

<210> 1017

<211> 25

<212> PRT

<213> Homo sapiens

<400> 1017

Met Leu His Trp Gly Val Leu Cys Ser Leu Phe Leu Met Leu Phe Asn
 1 5 10 15

Glu Gly Ala Ser Ala Ser Leu Gln Gln
 20 25

<210> 1018

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1018

Met Leu His Trp Gly Val Leu Cys Ser Leu Phe Leu Met Leu Phe Asn
 1 5 10 15

Glu Gly Ala Ser Ala Ser Leu Ser Asn Lys Arg Ser Met Arg Glu Asp
 20 25 30

Arg Ala Val His Gly Tyr Gly Tyr Trp Thr Arg Ile Phe Gly Lys Val
 35 40 45

Lys Ala Asp His Trp Ile Trp

50

55

<210> 1019

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019

Met	Arg	Ala	Cys	Leu	Cys	Ala	Gly	Val	Cys	Met	Cys	Xaa	Ala	Ser	Cys
1				5					10					15	

Leu	Gly	Leu	Pro	Met	Asn	Val	Val	Glu	Cys	Tyr	Thr	Trp	Arg	Val	Leu
			20					25					30		

Val	Phe	His	Gln	Phe	Gln	Asp	Glu	Glu	Leu	His	Asp	Thr	Val	Asp	Leu
	35						40					45			

Glu	Thr	Ile	Pro	Leu	Glu	Arg	Gln	Pro	Arg	Asp	Val	Gln	His	Pro	Val
	50					55					60				

Ser	Thr	Arg	Ile	Leu	Tyr	Leu	His	Val	Tyr	Phe	Val	Ala	Val	Thr	Leu
65					70					75					80

Thr	Leu	Ile	Arg	Ile	Leu	Gln	Leu	Trp	Thr	Glu	Ala	Phe	Ser	Pro	
				85					90					95	

<210> 1020

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1020

Met	Glu	Leu	Leu	Gln	Val	Thr	Ile	Leu	Phe	Leu	Leu	Pro	Ser	Ile	Cys
1				5					10					15	

Ser	Ser	Asn	Ser	Thr	Gly	Val	Leu	Glu	Ala	Ala	Asn	Asn	Ser	Leu	Val
			20					25					30		

Val	Thr	Thr	Thr	Lys	Pro	Ser	Ile	Thr	Thr	Pro	Asn	Thr	Glu	Ser	Leu
	35						40					45			

Gln	Lys	Asn	Val	Val	Thr	Pro	Thr	Thr	Gly	Thr	Thr	Pro	Lys	Gly	Thr
	50					55					60				

Ile	Thr	Asn	Glu	Leu	Leu	Lys	Met	Ser	Leu	Met	Ser	Thr	Ala	Thr	Phe	65	70	75	80
Leu	Thr	Ser	Lys	Asp	Glu	Gly	Leu	Lys	Ala	Thr	Thr	Thr	Asp	Val	Arg	85	90	95	
Lys	Asn	Asp	Ser	Ile	Ile	Ser	Asn	Val	Thr	Val	Thr	Ser	Val	Thr	Leu	100	105	110	
Pro	Asn	Ala	Val	Ser	Thr	Leu	Gln	Ser	Ser	Lys	Pro	Lys	Thr	Glu	Thr	115	120	125	
Gln	Ser	Ser	Ile	Lys	Thr	Thr	Glu	Ile	Pro	Gly	Ser	Val	Leu	Gln	Pro	130	135	140	
Asp	Ala	Ser	Pro	Ser	Lys	Thr	Gly	Thr	Leu	Thr	Ser	Ile	Pro	Val	Thr	145	150	155	160
Ile	Pro	Glu	Asn	Thr	Ser	Gln	Ser	Gln	Val	Ile	Gly	Thr	Glu	Gly	Gly	165	170	175	
Lys	Asn	Ala	Ser	Thr	Ser	Ala	Thr	Ser	Arg	Ser	Tyr	Ser	Ser	Ile	Ile	180	185	190	
Leu	Pro	Val	Val	Ile	Ala	Leu	Ile	Val	Ile	Thr	Leu	Ser	Val	Phe	Val	195	200	205	
Leu	Val	Gly	Leu	Tyr	Arg	Met	Cys	Trp	Lys	Ala	Asp	Pro	Gly	Thr	Pro	210	215	220	
Glu	Asn	Gly	Asn	Asp	Gln	Pro	Gln	Ser	Asp	Lys	Glu	Ser	Val	Lys	Leu	225	230	235	240
Leu	Thr	Val	Lys	Thr	Ile	Ser	His	Glu	Ser	Gly	Glu	His	Ser	Ala	Gln	245	250	255	
Gly	Lys	Thr	Lys	Asn												260			

<210> 1021

<211> 260

<212> PRT

<213> Homo sapiens

<400> 1021

Met	Glu	Leu	Leu	Gln	Val	Thr	Ile	Leu	Phe	Leu	Leu	Pro	Ser	Ile	Cys	1	5	10	15
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---	---	----	----

Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val

<213> Homo sapiens

<400> 1022

Cys Val Leu Glu Pro Thr Ser Ser Gln Ser Ile Ala Pro Asp Leu Gly
1 5 10 15

Arg Glu Ser Thr Phe Ser Ile Gln Arg Asn Lys Asn Met Gln Phe Met
20 25 30

Val Val Leu Trp Thr Leu Thr Asp Cys Glu Gly Lys Val Tyr Pro Lys
35 40 45

Ala Val Ile Cys Arg
50

<210> 1023

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1023

Met Met Leu Pro Val Ile Ser Leu Phe Leu Ile Ser Leu His Leu Pro
1 5 10 15

Ile Phe Cys Phe Gln Arg Leu Leu Leu Phe Lys Gly Phe Leu Phe Ile
20 25 30

Ala Asn Ser Ser Asn Leu His Ile Lys
35 40

<210> 1024

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1024

Met Met Leu Pro Val Ile Ser Leu Phe Leu Ile Ser Leu His Leu Pro
1 5 10 15

Ile Phe Cys Phe Gln Arg Leu Leu Leu Phe Lys Gly Phe Leu Phe Ile
20 25 30

Ala Asn Ser Ser Asn Leu His Ile Lys
35 40

<210> 1025

<211> 162
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1025
 Lys Thr Val Met Leu Pro Ile Ala Gln Glu Val Gln Ser Pro Val Xaa
 1 5 10 15

 Xaa Xaa Cys Asp Lys Leu Ala Ala Asp Cys Ala His Glu Leu Arg Arg
 20 25 30

 His Gly Val Ser Cys Val Ser Leu Trp Pro Gly Ile Val Gln Thr Glu
 35 40 45

 Leu Leu Lys Glu His Met Ala Lys Glu Glu Val Leu Gln Asp Pro Val
 50 55 60

 Leu Lys Gln Phe Lys Ser Ala Phe Ser Ser Ala Glu Thr Thr Glu Leu
 65 70 75 80

 Ser Gly Lys Cys Val Val Ala Leu Ala Thr Asp Pro Asn Ile Leu Ser
 85 90 95

 Leu Ser Gly Lys Val Leu Pro Ser Cys Asp Leu Ala Arg Arg Tyr Gly
 100 105 110

 Leu Arg Asp Val Asp Gly Arg Pro Val Gln Asp Tyr Leu Ser Leu Ser
 115 120 125

 Ser Val Leu Ser His Val Ser Gly Leu Gly Trp Leu Ala Ser Tyr Leu
 130 135 140

 Pro Ser Phe Leu Arg Val Pro Lys Trp Ile Ile Ala Leu Tyr Thr Ser
 145 150 155 160

 Lys Phe

<210> 1026
<211> 45
<212> PRT
<213> Homo sapiens

<400> 1026
Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
1 5 10 15
Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala
20 25 30
Val Cys Leu Cys Gly Arg Gly Leu Cys Arg Gln Asn Cys
35 40 45

<210> 1027
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1027
Leu Pro Pro Phe Pro Gln Cys Asp Lys Leu Ala Ala Asp Cys Pro Thr
1 5 10 15
Ser Cys Gly Ala Met Gly Ser Ala Val Cys Leu Cys Xaa Arg Gly Leu
20 25 30
Cys Arg Gln Asn Cys
35

<210> 1028
<211> 45
<212> PRT
<213> Homo sapiens

<400> 1028
Met Ala Arg Trp Leu Leu Pro Cys Leu Pro Pro Leu His Ser Val Thr
1 5 10 15
Ser Trp Leu Leu Thr Val Pro Thr Ser Cys Gly Ala Met Gly Ser Ala

	20		25		30							
Val	Cys	Leu	Cys	Gly	Arg	Gly	Leu	Cys	Arg	Gln	Asn	Cys
	35						40					45

<210> 1029
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1029															
Met	Asp	Gln	Phe	Leu	Gln	Tyr	Leu	Leu	Glu	Cys	Met	Leu	Leu	Cys	Thr
1				5					10					15	

Thr	Ala	Gly	Ala	Ser	Gly	Ala	Thr	Tyr	Val	Pro	Thr	Arg
			20					25				

<210> 1030
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 1030															
Met	Asp	Gln	Phe	Leu	Gln	Tyr	Leu	Leu	Glu	Cys	Met	Leu	Leu	Cys	Thr
1				5					10					15	

Thr	Ala	Gly	Ala	Ser	Gly	Ala	His	Leu	Cys	Thr	Asn	Glu	Met	Thr	Leu
			20					25					30		

Leu	Glu	Ala	Ile	Leu	Tyr	Leu	Gln	Trp	Met
		35					40		

<210> 1031
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 1031															
Cys	Leu	Ile	Leu	Gln	Glu	Glu	Asn	Arg	Lys	Glu	Leu	Ser	Asn	Leu	Ala
1				5					10					15	

Asn	Arg	Tyr	Lys	Ile	Asp	Ser	Arg	Val	Leu	Ser	Pro	Thr	Leu	Gly	Trp
			20					25					30		

Gln	Pro	Val	Gly	Gln	Thr	Pro	Lys	Thr	Val	Ala	Asp	Val	Phe	Phe	Cys
		35					40					45			

Leu Pro Ser Leu Gly
50

<210> 1032
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1032
Met Leu Leu Phe His Val Trp Val Asp Leu Ala Cys Trp Gly Val Leu
1 5 10 15
Val His Ser Leu Lys Leu Ala Ser Phe His Trp Gly Leu Lys Ser Thr
20 25 30
Ser Thr Pro Thr Leu Val Met Ser Pro Glu Asp Pro Gly Asp Ser Thr
35 40 45
Val Asn Ile Val Ser Thr Leu Leu
50 55

<210> 1033
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1033
Val Trp Met Pro
1

<210> 1034
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1034
Met Leu Leu Phe His Val Trp Val Asp Leu Ala Cys Trp Gly Val Leu
1 5 10 15
Val His Ser Leu Lys Leu Ala Ser Phe His Trp Gly Leu Lys Ser Thr
20 25 30
Ser Thr Pro Thr Leu Val Met Ser Pro Glu Asp Pro Gly Asp Ser Thr
35 40 45

Val Asn Ile Val Ser Thr Leu Leu
 50 55

<210> 1035
 <211> 491
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1035
 Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Arg Ser Ala Ala Met
 1 5 10 15
 Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
 20 25 30
 Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
 35 40 45
 Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
 50 55 60
 Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
 65 70 75 80
 Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
 85 90 95
 Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
 100 105 110
 Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
 115 120 125
 His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
 130 135 140

Tyr	Leu	Cys	Asn	Glu	Tyr	Gln	Lys	Gly	Asn	Glu	Thr	Ile	Val	Asn	Leu
145					150					155					160
Ile	His	Ser	Thr	Arg	Ile	His	Ile	Met	Pro	Ser	Leu	Asn	Pro	Asp	Gly
				165					170					175	
Phe	Glu	Lys	Ala	Ala	Ser	Gln	Pro	Gly	Glu	Leu	Lys	Asp	Trp	Phe	Val
			180					185					190		
Gly	Arg	Ser	Asn	Ala	Gln	Gly	Ile	Asp	Leu	Asn	Arg	Asn	Phe	Pro	Asp
	195						200					205			
Leu	Asp	Arg	Ile	Val	Tyr	Val	Asn	Glu	Lys	Glu	Gly	Gly	Pro	Asn	Asn
	210					215					220				
His	Leu	Leu	Lys	Asn	Met	Lys	Lys	Ile	Val	Asp	Gln	Asn	Thr	Lys	Leu
225					230					235					240
Ala	Pro	Glu	Thr	Lys	Ala	Val	Ile	His	Trp	Ile	Met	Asp	Ile	Pro	Phe
				245					250					255	
Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Asp	Leu	Val	Ala	Asn	Tyr	Pro
			260					265					270		
Tyr	Asp	Glu	Thr	Arg	Ser	Gly	Ser	Ala	His	Glu	Tyr	Ser	Ser	Ser	Pro
	275						280					285			
Asp	Asp	Ala	Ile	Phe	Gln	Ser	Leu	Ala	Arg	Ala	Tyr	Ser	Ser	Phe	Asn
	290					295					300				
Pro	Ala	Met	Ser	Asp	Pro	Asn	Arg	Pro	Pro	Cys	Arg	Lys	Asn	Asp	Asp
305					310					315					320
Asp	Ser	Ser	Phe	Val	Asp	Gly	Thr	Thr	Asn	Gly	Gly	Ala	Trp	Tyr	Ser
				325					330					335	
Val	Pro	Gly	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	Ser	Ser	Asn	Cys	Phe
			340					345					350		
Glu	Ile	Thr	Val	Glu	Leu	Ser	Cys	Glu	Lys	Phe	Pro	Pro	Glu	Glu	Thr
		355					360					365			
Leu	Lys	Thr	Tyr	Trp	Glu	Asp	Asn	Lys	Asn	Ser	Leu	Ile	Ser	Tyr	Leu
	370					375					380				
Glu	Gln	Ile	His	Arg	Gly	Val	Lys	Gly	Phe	Val	Arg	Asp	Leu	Gln	Gly
385					390					395					400
Asn	Pro	Ile	Ala	Asn	Ala	Thr	Ile	Ser	Val	Glu	Gly	Ile	Asp	His	Asp
				405					410					415	

Val Thr Ser Ala Lys Asp Gly Asp Tyr Trp Arg Leu Leu Ile Pro Gly
 420 425 430
 Asn Tyr Lys Leu Thr Ala Ser Ala Pro Gly Tyr Leu Ala Ile Thr Lys
 435 440 445
 Lys Val Ala Val Pro Tyr Ser Pro Ala Ala Gly Val Asp Phe Glu Leu
 450 455 460
 Glu Ser Phe Ser Glu Arg Lys Glu Glu Glu Lys Glu Glu Leu Met Glu
 465 470 475 480
 Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
 485 490

<210> 1036
 <211> 255
 <212> PRT
 <213> Homo sapiens

<400> 1036
 Leu Leu Leu Trp Thr Met Ser Val Ile Phe Phe Ala Cys Val Val Arg
 1 5 10 15
 Val Arg Asp Gly Leu Pro Leu Ser Ala Ser Thr Asp Phe Tyr His Thr
 20 25 30
 Gln Asp Phe Leu Glu Trp Arg Arg Arg Leu Lys Ser Leu Ala Leu Arg
 35 40 45
 Leu Ala Gln Tyr Pro Gly Arg Gly Ser Ala Glu Gly Cys Asp Phe Ser
 50 55 60
 Ile His Phe Ser Ser Phe Gly Asp Val Ala Cys Met Ala Ile Cys Ser
 65 70 75 80
 Cys Gln Cys Pro Ala Ala Met Ala Phe Cys Phe Leu Glu Thr Leu Trp
 85 90 95
 Trp Glu Phe Thr Ala Ser Tyr Asp Thr Thr Cys Ile Gly Leu Ala Ser
 100 105 110
 Arg Pro Tyr Ala Phe Leu Glu Phe Asp Ser Ile Ile Gln Lys Val Lys
 115 120 125
 Trp His Phe Asn Tyr Val Ser Ser Ser Gln Met Glu Cys Ser Leu Glu
 130 135 140
 Lys Ile Gln Glu Glu Leu Lys Leu Gln Pro Pro Ala Val Leu Thr Leu
 145 150 155 160

Glu	Asp	Thr	Asp	Val	Ala	Asn	Gly	Val	Met	Asn	Gly	His	Thr	Pro	Met
				165					170					175	
His	Leu	Glu	Pro	Ala	Pro	Asn	Phe	Arg	Met	Glu	Pro	Val	Thr	Ala	Leu
			180					185					190		
Gly	Ile	Leu	Ser	Leu	Ile	Leu	Asn	Ile	Met	Cys	Ala	Ala	Leu	Asn	Leu
		195					200					205			
Ile	Arg	Gly	Val	His	Leu	Ala	Glu	His	Ser	Leu	Gln	Val	Ala	His	Glu
	210					215					220				
Glu	Ile	Gly	Asn	Ile	Leu	Ala	Phe	Leu	Val	Pro	Phe	Val	Ala	Cys	Ile
225					230					235					240
Phe	Gln	Asp	Pro	Arg	Ser	Trp	Phe	Cys	Trp	Leu	Asp	Gln	Thr	Ser	
				245					250					255	

<210> 1037

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1037

Met	Leu	Leu	Leu	Leu	Val	Phe	Leu	Val	Ala	Cys	Phe	Ile	Asn	Arg	Lys
1				5					10					15	
Cys	Gln	Lys	Gln	Arg	Lys	Lys	Lys	Pro	Ala	Glu	Asp	Ile	Leu	Glu	Glu
			20					25					30		
Tyr	Pro	Leu	Asn	Thr	Lys	Val	Glu	Val	Pro	Lys	Xaa	His	Pro	Asp	Arg
		35					40					45			
Val	Glu	Lys	Asn	Val	Asn	Arg	His	Tyr	Cys	Thr	Val	Arg	Asn	Val	Asn
	50					55					60				
Ile	Leu	Ser	Glu	Pro	Glu	Ala	Ala	Tyr	Thr	Phe	Lys	Gly	Ala	Lys	Val
65					70					75					80
Lys	Arg	Leu	Asn	Leu	Glu	Val	Arg	Val	His	Asn	Asn	Leu	Gln	Asp	Gly
			85						90					95	

Thr Glu Val

<210> 1038
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 1038
 Met Pro Val Leu Leu
 1 5

<210> 1039
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1039
 Met Leu Leu Leu Leu Val Phe Leu Val Ala Cys Phe Ile Asn Arg Lys
 1 5 10 15

Cys Gln Lys Gln Arg Lys Lys Lys Pro Ala Glu Asp Ile Leu Glu Glu
 20 25 30

Tyr Pro Leu Asn Thr Lys Val Glu Val Pro Lys Arg His Pro Asp Arg
 35 40 45

Val Glu Lys Asn Val Asn Arg His Tyr Cys Thr Val Arg Asn Val Asn
 50 55 60

Ile Leu Ser Glu Pro Glu Ala Ala Tyr Thr Phe Lys Gly Ala Lys Val
 65 70 75 80

Lys Arg Leu Asn Leu Glu Val Arg Val His Asn Asn Leu Gln Asp Gly
 85 90 95

Thr Glu Val

<210> 1040
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Leu Leu Asp Leu Thr Asn Arg Leu Val Thr Cys Ile Asp Gln Ser Lys
 1 5 10 15

Pro Asn Ile Leu Ala Ser Leu Ser Leu Ala Glu Gln Thr Arg Val Gly
20 25 30

Ile Trp Val Gly Ala Phe Ser Ile Lys Asp Asn Leu Ser Leu Cys Ser
35 40 45

Gln Gly Glu His Leu Cys Phe Val Leu Lys Ala Gly Ser Pro Trp Phe
50 55 60

Ala Asn Cys Leu Gln Glu
65 70

<210> 1041
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1041
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15

Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30

Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1042
<211> 48
<212> PRT
<213> Homo sapiens

<400> 1042
Met Leu Gln Tyr Thr Trp Leu Ile Leu Val Phe Leu Ser Ser Cys Leu
1 5 10 15

Ser Ala Thr Trp Phe Cys Lys Val Val Val Ala Ala Ile Gly Ser Thr
20 25 30

Val Gly Ser Ser Arg Leu His Phe Lys Arg Ser Gly Gln Cys Leu Arg
35 40 45

<210> 1043
<211> 52
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1043
Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15
Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30
Leu Phe Ser Val Phe Tyr Xaa Glu Glu Met Leu Asn Leu Ser Lys Leu
35 40 45
Ser Cys Ile Tyr
50

<210> 1044
<211> 13
<212> PRT
<213> Homo sapiens

<400> 1044
Cys Phe His Phe Phe Leu Cys Pro Ile Leu Val Leu Val
1 5 10

<210> 1045
<211> 1
<212> PRT
<213> Homo sapiens

<400> 1045
Cys
1

<210> 1046
<211> 37
<212> PRT

<213> Homo sapiens

<400> 1046

Met Val Ala Val Asp Phe Ser Cys Leu Ser Phe Ile Leu Leu Gly Ile
1 5 10 15

Leu Val Leu Tyr Ile Tyr Phe Val Met Tyr Ala Cys Ser Ile Pro Thr
20 25 30

Leu Phe Ser Val Leu
35

<210> 1047

<211> 6

<212> PRT

<213> Homo sapiens

<400> 1047

Asn Leu Ser Lys Ile Ile
1 5

<210> 1048

<211> 183

<212> PRT

<213> Homo sapiens

<400> 1048

Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
1 5 10 15

Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
20 25 30

Ser Glu Leu Leu His Thr Tyr Ser Ser Ile Leu Gly Thr Asp Ile Leu
35 40 45

Leu Leu Ile Val Arg Leu Ala Val Leu Met Ala Val Thr Leu Thr Val
50 55 60

Pro Val Val Ile Phe Pro Ile Arg Ser Ser Val Thr His Leu Leu Cys
65 70 75 80

Ala Ser Lys Asp Phe Ser Trp Trp Arg His Ser Leu Ile Thr Val Ser
85 90 95

Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
100 105 110

Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160
 Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
 165 170 175
 Asn Ala Pro Gly Gly Gly His
 180

<210> 1049
 <211> 183
 <212> PRT
 <213> Homo sapiens

<400> 1049
 Met Met Asn Val Ser Lys Ile Ser Phe Phe Ala Met Phe Leu Met Tyr
 1 5 10 15
 Leu Leu Ala Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Glu His Val Glu
 20 25 30
 Ser Glu Leu Leu His Thr Tyr Ser Ser Ile Leu Gly Thr Asp Ile Leu
 35 40 45
 Leu Leu Ile Val Arg Leu Ala Val Leu Met Ala Val Thr Leu Thr Val
 50 55 60
 Pro Val Val Ile Phe Pro Ile Arg Ser Ser Val Thr His Leu Leu Cys
 65 70 75 80
 Ala Ser Lys Asp Phe Ser Trp Trp Arg His Ser Leu Ile Thr Val Ser
 85 90 95
 Ile Leu Ala Phe Thr Asn Leu Leu Val Ile Phe Val Pro Thr Ile Arg
 100 105 110
 Asp Ile Phe Gly Phe Ile Gly Ala Ser Ala Ala Ser Met Leu Ile Phe
 115 120 125
 Ile Leu Pro Ser Ala Phe Tyr Ile Lys Leu Val Lys Lys Glu Pro Met
 130 135 140
 Lys Ser Val Gln Lys Ile Gly Ala Leu Phe Phe Leu Leu Ser Gly Val
 145 150 155 160

Leu Val Met Thr Gly Ser Met Ala Leu Ile Val Leu Asp Trp Val His
165 170 175

Asn Ala Pro Gly Gly Gly His
180

<210> 1050

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1050

Pro Gly Pro Pro Leu Ser Phe Phe Xaa Phe Phe Phe Phe Phe Phe
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Lys His Cys Ile Gln Val Ser Leu
20 25 30

<210> 1051

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1051

Met Asn His Cys Cys Ser Ser Gln Arg Phe Leu Asn Ile Leu Ser Phe
1 5 10 15

Cys Ile Ser Pro Pro Phe Pro Leu Thr Phe Ile Tyr Leu Ile Met Tyr
20 25 30

Leu Phe Ile Tyr Leu Tyr Thr Phe Ala Pro Phe Ser Thr Asn Thr Lys
35 40 45

Gln Ser Lys Lys Lys Xaa Tyr Ile Tyr Ile Ser Val Tyr Val Leu
50 55 60

<210> 1052
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 1052
 Met Asn His Cys Cys Ser Ser Gln Arg Phe Leu Asn Ile Leu Ser Phe
 1 5 10 15
 Cys Ile Ser Pro Pro Phe Pro Leu Thr Phe Ile Tyr Leu Ile Met Tyr
 20 25 30
 Leu Phe Ile Tyr Leu Tyr Thr Phe Ala Pro Phe Ser Thr Asn Thr Lys
 35 40 45
 Gln Ser Lys Lys Lys Lys Tyr Ile Tyr Ile Ser Val Tyr Val Leu
 50 55 60

<210> 1053
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1053
 Ala Asp Asn Asn Phe Thr Gln Glu Xaa Ala Met Thr Met Ile Thr Pro
 1 5 10 15
 Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
 20 25 30
 Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
 35 40 45
 Ser Ala Arg Asp Asn Gln Phe Ile Leu Leu Asn Trp His Ile Leu Asn
 50 55 60
 His Asp Ser Gln Gln Leu Gly Asn Ile Phe Phe
 65 70 75

<210> 1054
 <211> 113
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1054

Cys	Gly	Val	Phe	Trp	Leu	Leu	Ser	Leu	Leu	Cys	Cys	Ile	Lys	Glu	Gln
1				5					10					15	

Gln	Phe	Glu	Gln	Val	Val	Ala	Leu	Leu	Leu	Gln	Ser	Ile	Arg	Xaa	Cys
			20					25					30		

Gln	Asp	Arg	Ala	Leu	Leu	Val	Asn	Asn	Ala	Tyr	Gln	Gly	Leu	Ala	Ser
		35					40					45			

Leu	Val	Lys	Val	Ser	Glu	Leu	Ala	Ala	Phe	Lys	Val	Val	Val	Gln	Glu
	50					55					60				

Glu	Gly	Gly	Ser	Gly	Leu	Ser	Leu	Ile	Lys	Glu	Thr	Tyr	Gln	Xaa	His
65					70					75					80

Arg	Gly	Arg	Thr	Arg	Arg	Trp	Trp	Glu	Asn	Val	Gly	Met	Leu	Leu	Val
				85					90					95	

Pro	Pro	Gly	Phe	Leu	Xaa	Arg	Arg	Ser	Cys	Arg	Ser	Trp	Cys	Xaa	Val
			100					105					110		

Val

<210> 1055

<211> 2

<212> PRT

<213> Homo sapiens

<400> 1055

Ile Leu
1

<210> 1056

<211> 161

<212> PRT

<213> Homo sapiens

<400> 1056

Met Ala Glu Ala Ser Cys Gly Val Phe Trp Leu Leu Ser Leu Leu Cys
1 5 10 15

Cys Ile Lys Glu Gln Gln Phe Glu Gln Val Val Ala Leu Leu Leu Gln
20 25 30

Ser Ile Arg Leu Cys Gln Asp Arg Ala Leu Leu Val Asn Asn Ala Tyr
35 40 45

Gln Gly Leu Ala Ser Leu Val Lys Val Ser Glu Leu Ala Ala Phe Lys
50 55 60

Val Val Val Gln Glu Glu Gly Gly Ser Gly Leu Ser Leu Ile Lys Glu
65 70 75 80

Thr Tyr Gln Leu His Arg Asp Asp Pro Glu Val Val Glu Asn Val Gly
85 90 95

Met Leu Leu Val His Leu Ala Ser Tyr Glu Glu Ile Leu Pro Glu Leu
100 105 110

Val Ser Ser Ser Met Lys Ala Leu Leu Gln Glu Ile Lys Glu Arg Phe
115 120 125

Thr Ser Ser Leu Glu Leu Val Ser Cys Val Glu Lys Val Leu Leu Arg
130 135 140

Leu Glu Ala Ala Thr Ser Pro Ser Pro Leu Gly Gly Glu Ala Ala Gln
145 150 155 160

Pro

<210> 1057

<211> 491

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1057

Ala Ala Arg Val Gly Arg His Gly Arg Arg Arg Arg Ser Ala Ala Met
1 5 10 15

Ala Gly Arg Gly Gly Ser Ala Leu Leu Ala Leu Cys Gly Ala Leu Ala
20 25 30

Ala Cys Gly Trp Leu Leu Gly Ala Glu Xaa Xaa Xaa Pro Gly Ala Pro
35 40 45

Ala Ala Gly Met Arg Arg Arg Arg Arg Leu Gln Gln Glu Asp Gly Ile
50 55 60

Ser Phe Glu Tyr His Arg Tyr Pro Glu Leu Arg Glu Ala Leu Val Ser
65 70 75 80

Val Trp Leu Gln Cys Thr Ala Ile Ser Arg Ile Tyr Thr Val Gly Arg
85 90 95

Ser Phe Glu Gly Arg Glu Leu Leu Val Ile Glu Leu Ser Asp Asn Pro
100 105 110

Gly Val His Glu Pro Gly Glu Pro Glu Phe Lys Tyr Ile Gly Asn Met
115 120 125

His Gly Asn Glu Ala Val Gly Arg Glu Leu Leu Ile Phe Leu Ala Gln
130 135 140

Tyr Leu Cys Asn Glu Tyr Gln Lys Gly Asn Glu Thr Ile Val Asn Leu
145 150 155 160

Ile His Ser Thr Arg Ile His Ile Met Pro Ser Leu Asn Pro Asp Gly
165 170 175

Phe Glu Lys Ala Ala Ser Gln Pro Gly Glu Leu Lys Asp Trp Phe Val

180					185					190					
Gly	Arg	Ser	Asn	Ala	Gln	Gly	Ile	Asp	Leu	Asn	Arg	Asn	Phe	Pro	Asp
		195					200					205			
Leu	Asp	Arg	Ile	Val	Tyr	Val	Asn	Glu	Lys	Glu	Gly	Gly	Pro	Asn	Asn
	210					215					220				
His	Leu	Leu	Lys	Asn	Met	Lys	Lys	Ile	Val	Asp	Gln	Asn	Thr	Lys	Leu
225					230					235					240
Ala	Pro	Glu	Thr	Lys	Ala	Val	Ile	His	Trp	Ile	Met	Asp	Ile	Pro	Phe
				245					250					255	
Val	Leu	Ser	Ala	Asn	Leu	His	Gly	Gly	Asp	Leu	Val	Ala	Asn	Tyr	Pro
			260					265					270		
Tyr	Asp	Glu	Thr	Arg	Ser	Gly	Ser	Ala	His	Glu	Tyr	Ser	Ser	Ser	Pro
	275						280					285			
Asp	Asp	Ala	Ile	Phe	Gln	Ser	Leu	Ala	Arg	Ala	Tyr	Ser	Ser	Phe	Asn
	290					295					300				
Pro	Ala	Met	Ser	Asp	Pro	Asn	Arg	Pro	Pro	Cys	Arg	Lys	Asn	Asp	Asp
305					310					315					320
Asp	Ser	Ser	Phe	Val	Asp	Gly	Thr	Thr	Asn	Gly	Gly	Ala	Trp	Tyr	Ser
			325						330					335	
Val	Pro	Gly	Gly	Met	Gln	Asp	Phe	Asn	Tyr	Leu	Ser	Ser	Asn	Cys	Phe
		340						345					350		
Glu	Ile	Thr	Val	Glu	Leu	Ser	Cys	Glu	Lys	Phe	Pro	Pro	Glu	Glu	Thr
		355					360					365			
Leu	Lys	Thr	Tyr	Trp	Glu	Asp	Asn	Lys	Asn	Ser	Leu	Ile	Ser	Tyr	Leu
	370					375					380				
Glu	Gln	Ile	His	Arg	Gly	Val	Lys	Gly	Phe	Val	Arg	Asp	Leu	Gln	Gly
385					390					395					400
Asn	Pro	Ile	Ala	Asn	Ala	Thr	Ile	Ser	Val	Glu	Gly	Ile	Asp	His	Asp
			405						410					415	
Val	Thr	Ser	Ala	Lys	Asp	Gly	Asp	Tyr	Trp	Arg	Leu	Leu	Ile	Pro	Gly
			420					425					430		
Asn	Tyr	Lys	Leu	Thr	Ala	Ser	Ala	Pro	Gly	Tyr	Leu	Ala	Ile	Thr	Lys
		435					440					445			
Lys	Val	Ala	Val	Pro	Tyr	Ser	Pro	Ala	Ala	Gly	Val	Asp	Phe	Glu	Leu
	450					455					460				

Glu Ser Phe Ser Glu Arg Lys Glu Glu Glu Lys Glu Glu Leu Met Glu
 465 470 475 480

Trp Trp Lys Met Met Ser Glu Thr Leu Asn Phe
 485 490

<210> 1058
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058
 Met Arg Leu Ala Ser Ser Leu Ser Val Phe Pro Leu Leu Pro Xaa Thr
 1 5 10 15

Cys Gly His Ser Xaa Ala Leu Leu Pro Ser Ser Ile Gly Gln His Ser
 20 25 30

Glu Thr Phe Thr Arg Cys Arg Pro Leu Thr Phe Pro Val Phe Arg Thr
 35 40 45

Xaa Lys Pro Met Asn Pro Tyr Glu Ile Thr Gln Phe Cys Gly Ile Leu
 50 55 60

Xaa Xaa Ala Thr Gln Thr Gly Leu Lys Thr Gly Thr Leu His Gly
 65 70 75

<210> 1059
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1059
 Arg Glu Lys Ser Ser Leu Ser Val Pro Val Leu Val Cys Leu Cys Cys
 1 5 10 15

Tyr Asn Arg Ile
 20

<210> 1060
 <211> 244
 <212> PRT
 <213> Homo sapiens

<400> 1060
 Leu Val Pro Leu Val Phe Ser Leu Leu Val Gln Ser Cys Lys Gln Val
 1 5 10 15

Tyr Arg Ser Ile Ala Met Lys Phe Val Pro Cys Leu Leu Leu Val Thr
 20 25 30

Leu Ser Cys Leu Gly Thr Leu Gly Gln Ala Pro Arg Gln Lys Gln Gly
 35 40 45

Ser Thr Gly Glu Glu Phe His Phe Gln Thr Gly Gly Arg Asp Ser Cys
 50 55 60

Thr Met Arg Pro Ser Ser Leu Gly Gln Gly Ala Gly Glu Val Trp Leu
 65 70 75 80

Arg Val Asp Cys Arg Asn Thr Asp Gln Thr Tyr Trp Cys Glu Tyr Arg
 85 90 95

Gly Gln Pro Ser Met Cys Gln Ala Phe Ala Ala Asp Pro Lys Ser Tyr
 100 105 110

Trp Asn Gln Ala Leu Gln Glu Leu Arg Arg Leu His His Ala Cys Gln
 115 120 125

Gly Ala Pro Val Leu Arg Pro Ser Val Cys Arg Glu Ala Gly Pro Gln
 130 135 140

Ala His Met Gln Gln Val Thr Ser Ser Leu Lys Gly Ser Pro Glu Pro
 145 150 155 160
 Asn Gln Gln Pro Glu Ala Gly Thr Pro Ser Leu Arg Pro Lys Ala Thr
 165 170 175
 Val Lys Leu Thr Glu Ala Thr Gln Leu Gly Lys Asp Ser Met Glu Glu
 180 185 190
 Leu Gly Lys Ala Lys Pro Thr Thr Arg Pro Thr Ala Lys Pro Thr Gln
 195 200 205
 Pro Gly Pro Arg Pro Gly Gly Asn Glu Glu Ala Lys Lys Lys Ala Trp
 210 215 220
 Glu His Cys Trp Lys Pro Phe Gln Ala Leu Cys Ala Phe Leu Ile Ser
 225 230 235 240
 Phe Phe Arg Gly

<210> 1061
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 1061
 Met Arg Leu Ala Ser Ser Leu Ser Val Phe Pro Leu Leu Pro Leu Thr
 1 5 10 15
 Cys Gly His Ser Leu Ala Leu Leu Pro Ser Ser Ile Gly Gln His Ser
 20 25 30
 Glu Thr Phe Thr Arg Cys Arg Pro Leu Thr Phe Pro Val Phe Arg Thr
 35 40 45
 Ile Asn Gln Val Asn Pro Tyr Lys Ser Pro Ser Leu Trp Tyr Ser Val
 50 55 60
 Ile Ala Thr Gln Thr Asp
 65 70

<210> 1062
 <211> 304
 <212> PRT
 <213> Homo sapiens

<400> 1062

Thr	Cys	Pro	Leu	Leu	Arg	Asn	Ser	Ser	His	Ala	Glu	Pro	Ala	His	Arg	1	5	10	15
Gln	Asp	Gly	Asp	Leu	Ala	Leu	Thr	Pro	Cys	Leu	Gly	Pro	Gly	Leu	Gly	20	25	30	
Asn	Pro	Gly	Arg	Val	Arg	Gln	Lys	Ala	Gly	Asn	Arg	Ser	Ser	Gly	Gly	35	40	45	
Tyr	Ser	Leu	Arg	Gly	Gln	Gln	His	Leu	Gly	Pro	Leu	Leu	Leu	Ala	Thr	50	55	60	
Ala	Gly	Ala	Ala	Gly	Ala	Arg	Glu	Arg	Gly	Gln	Ala	Leu	His	Gly	Val	65	70	75	80
Glu	Met	Val	Ala	Val	Arg	Ala	Asp	Val	Trp	His	Val	Arg	Gly	Arg	Trp	85	90	95	
Arg	Gln	Leu	Gly	His	Arg	Pro	Val	Ala	Arg	Leu	His	Gln	Leu	Phe	Ala	100	105	110	
Val	Val	Leu	Phe	Gln	Gln	Leu	Leu	Gln	Gly	Arg	Ser	Ile	Leu	Phe	Leu	115	120	125	
Leu	Cys	Asp	Gln	Ala	His	Gln	Asp	Pro	Asn	Gly	Val	Leu	Ile	Gly	Ile	130	135	140	
Leu	Ser	Pro	Val	Gly	Arg	Val	Asp	Ser	Thr	Ala	Ser	Thr	Ser	Arg	Ala	145	150	155	160
Gly	Pro	Asp	Leu	Leu	Val	Arg	Arg	Ala	Val	Val	Ala	Leu	Pro	Leu	Glu	165	170	175	
Glu	Val	Ala	His	Gln	Asp	Ala	Gln	Gln	Pro	His	Glu	Ala	Glu	Asp	Arg	180	185	190	
Asp	Asp	Gly	Asp	Asp	Arg	Val	Leu	Gly	Gly	Cys	Leu	Leu	Trp	Ala	Thr	195	200	205	
Cys	Pro	Gly	Ala	Val	Pro	Arg	Leu	Pro	Cys	Leu	Thr	Thr	Ala	Ala	Gly	210	215	220	
Pro	Cys	Cys	His	Leu	His	Ala	Thr	Ser	Gly	Pro	Pro	Pro	Pro	Leu	Ile	225	230	235	240
Thr	Ala	Met	Ser	Thr	Gln	Arg	Cys	Pro	Gly	Thr	Trp	Leu	Thr	Trp	Asn	245	250	255	
Ala	Gly	Asn	Pro	Pro	Arg	Pro	Lys	Pro	Pro	Arg	Pro	Ala	Val	Ser	Thr	260	265	270	
Glu	Cys	Ile	Ser	Ser	Cys	His	Ala	His	Leu	Gly	Leu	Gln	Pro	Pro	Pro				

275	280	285
Lys Ala Ala Thr Gly Met Gly Leu Ala Trp Ala Gly Ala Pro Cys Ser		
290	295	300

<210> 1063
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1063
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15
 Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
 20 25 30
 Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
 35 40 45
 His Leu Leu Leu
 50

<210> 1064
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1064
 Met Gly Gly Cys Leu Leu Ser Leu Ser Leu Cys Phe Val Pro Val Val
 1 5 10 15
 Arg Leu Ala Ala Ser Val Ala Arg Trp Ala Trp Leu Glu Pro Trp Val
 20 25 30
 Arg Gln Val Ala Gly Gly Asp Arg Glu Arg Leu Arg Gly Lys Trp Trp
 35 40 45
 His Leu Leu Leu
 50

<210> 1065
 <211> 58

<212> PRT

<213> Homo sapiens

<400> 1065

Asp Leu Ser Gly Gly Glu Trp Asn Val Thr Thr Arg Thr Arg Leu Trp
1 5 10 15

Glu Ile Gln Pro His Leu Cys Phe Val Met Ile Leu Lys Leu Asp Phe
20 25 30

Ser Cys Arg Asp Phe Leu Ser Ile Leu Pro Gly Val Leu Thr Tyr Ser
35 40 45

Leu Pro Val Lys Arg Phe Lys Lys Lys Asn
50 55

<210> 1066

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1066

Cys Phe Phe Gln Leu Ser Pro Glu Glu Val Ser Trp Cys Pro Asn Val
1 5 10 15

Gly Ser Ser Phe Asp
20

<210> 1067

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1067

Met Gly Lys Leu Xaa Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu
1 5 10 15

Pro Pro Glu Val Tyr Tyr Ser Arg Trp Gly Ala Asn Met Met Ala Gln
20 25 30

Thr Pro Leu Asn Pro
35

<210> 1068

<211> 62

<212> PRT

<213> Homo sapiens

<400> 1068

Met Gly Lys Leu Thr Leu Thr Leu Leu Leu Cys Leu Leu Gln Leu Leu
1 5 10 15

Pro Pro Glu Val Tyr Tyr Ser Arg Trp Gly Ala Asn Met Met Ala Gln
20 25 30

Thr Pro Leu Asn Ser Met Arg Ser Pro Trp Pro Met Glu Ile Leu Leu
35 40 45

Phe Phe Pro Leu Phe Ser Ser Ser Val Phe Ile Gly Ser Ala
50 55 60

<210> 1069

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1069

Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr
1 5 10 15

Phe Val Val Gln Ile Thr Leu Ser Asn Ile Ser Ser Thr Asn Val Ser
20 25 30

Ile Leu Val Phe Val His Thr Ala Ile Thr Ser Pro Leu Gln Thr Phe
35 40 45

Gln Phe Trp His Tyr Glu Glu Val Ala Val Asn Leu Lys Tyr Leu
50 55 60

<210> 1070

<211> 63

<212> PRT

<213> Homo sapiens

<400> 1070

Met Ser Leu Asp Ser Leu Val Leu Val Lys Ala Leu Phe Cys Phe Thr
1 5 10 15

Phe Val Val Gln Ile Thr Leu Ser Asn Ile Ser Ser Thr Asn Val Ser

	20		25		30										
Ile	Leu	Val	Phe	Val	His	Thr	Ala	Ile	Thr	Ser	Pro	Leu	Gln	Thr	Phe
	35						40					45			
Gln	Phe	Trp	His	Tyr	Glu	Glu	Val	Ala	Val	Asn	Leu	Lys	Tyr	Leu	
	50					55					60				

<210> 1071
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1071
 Leu Gln
 1

<210> 1072
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1072
 Leu Gln
 1

<210> 1073
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1073

Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu
1 5 10 15

Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu
20 25 30

Phe Leu Tyr Ser Gly Xaa Met Trp Val Xaa His Xaa Gly Arg Lys Ile
35 40 45

<210> 1074

<211> 261

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (237)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (239)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (240)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (253)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1074

Thr	Val	Ala	Asp	Val	Arg	Arg	Pro	Phe	Ala	Gln	Val	Asn	Val	Leu	Ala	
1				5				10						15		
Glu	Glu	Val	Leu	Ile	Tyr	Arg	Ile	Val	Leu	Asn	Asp	Ile	Val	Gly	Asp	
			20					25					30			
Val	Val	Gln	Asp	His	Gln	Val	Arg	Leu	Arg	Arg	Lys	Asp	Asp	Ala	Val	
		35					40					45				
Ile	Arg	Gln	Leu	Glu	Ala	Thr	Met	Leu	Val	Gly	Arg	Lys	His	Arg	His	
	50					55					60					
Gly	Asp	Val	Leu	Val	Arg	Glu	Thr	Thr	Val	Ser	Asp	Ala	Arg	Pro	Glu	
65					70					75					80	
Asp	Arg	Val	His	Phe	Arg	His	Val	Cys	Xaa	Pro	Gln	Xaa	Lys	Arg	Val	
				85					90					95		
Ser	Leu	Leu	Asp	Val	Val	Ile	Ala	Ala	His	Arg	Leu	Ile	His	Thr	Lys	
			100					105					110			
Gly	Thr	His	Lys	Ala	Asn	Tyr	Cys	Arg	Arg	His	Thr	Val	Thr	Arg	Val	
		115					120					125				
Arg	Val	Asp	Val	Val	Arg	Thr	Glu	Ala	Arg	Phe	Lys	Gln	Leu	Gly	Arg	
	130					135					140					
Gly	Ile	Thr	Phe	Pro	Asp	Ser	Pro	Leu	Thr	Arg	Thr	Glu	His	Thr	Asp	
145					150					155					160	
Arg	Phe	Arg	Pro	Phe	Phe	Phe	Gln	Xaa	Gly	Phe	Glu	Phe	Leu	Phe	His	
				165					170					175		
His	Ile	Glu	Gly	Leu	Ile	Pro	Gly	Asp	Trp	Gly	Lys	Phe	Ala	Phe	Phe	
			180					185					190			
Val	Ile	Phe	Thr	Val	Phe	His	Thr	Gln	Gln	Arg	Leu	Arg	Gln	Thr	Val	
		195					200					205				
Phe	Thr	Val	His	Asp	Phe	Gly	Gln	Glu	Ile	Ala	Leu	Asn	Ala	Val	Gln	
	210					215					220					
Ala	Thr	Val	Asn	Arg	Cys	Val	Arg	Val	Ala	Leu	Thr	Xaa	Gln	Xaa	Xaa	
225					230					235					240	
Val	Pro	Ala	Ala	Phe	Arg	Pro	Glu	Arg	Arg	Asn	Gln	Xaa	Arg	Arg	Thr	
				245					250					255		

Thr Gln Phe Ala Ile
260

<210> 1075
<211> 61
<212> PRT
<213> Homo sapiens

<400> 1075
Phe Tyr Thr Asn Val Thr Tyr Lys Ser Asp Ala Thr Thr Leu Arg Phe
1 5 10 15
Pro Gly Arg Cys Asp Phe Ser Ser Ala Trp Glu Val Asp Leu His Gln
20 25 30
Pro Phe Gln Cys Ser Ala His Pro Gly Ala Gly Ile Thr Ala Pro His
35 40 45
Leu Leu Gly Glu Lys Pro Gly Arg Pro Glu Glu Val Gly
50 55 60

<210> 1076
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1076
Met Gly Leu Arg Gln Gln Leu Glu Leu Lys Leu Lys Leu Ile Leu Leu
1 5 10 15
Leu Cys Val Phe Trp Phe Lys Ser Cys Thr Tyr Ile Leu Ala Leu Leu
20 25 30
Phe Ser Val Val Pro Glu Arg Trp Trp Val Ala Ile Leu Val Gly Lys
35 40 45
Ser Glu Phe Ser Tyr Leu
50

<210> 1077
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1077
Gln Tyr Leu Leu Ile

<210> 1078

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1078

Met	Xaa	Ala	Ser	Gln	Tyr	Ile	Leu	Phe	Phe	Leu	Gln	Xaa	Leu	Gly	Xaa
1				5				10					15		

Lys	Leu	Gln	Phe	Gln	Gly	Ile	Ser	Ser	Gln	Gln	Gln	Val	Glu
		20					25						30

<210> 1079

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1079

Met	Arg	Ala	Ser	Gln	Tyr	Ile	Leu	Phe	Phe	Leu	Gln	Phe	Leu	Gly	Phe
1				5				10					15		

Lys	Leu	Gln	Phe	Gln	Gly	Ile	Ser	Ser	Gln	Gln	Gln	Val	Glu
		20					25						30

<210> 1080

<211> 7

<212> PRT

<213> Homo sapiens

<400> 1080

Met Phe Gly Cys Pro Phe Cys

1

5

<210> 1081

<211> 261

<212> PRT

<213> Homo sapiens

<400> 1081

Gly Ile Phe Arg Ser Leu Arg Val Leu Phe Pro Leu Phe Ser Val Gly

1

5

10

15

Arg Pro Gln Phe Ala Arg Ser Leu Ser Ala Ala Pro Gln Leu Ser Asp

20

25

30

Thr Ala Asp Thr Met Gly Phe Gly Asp Leu Lys Ser Pro Ala Gly Leu

35

40

45

Gln Val Leu Asn Asp Tyr Leu Ala Asp Lys Ser Tyr Ile Glu Gly Tyr

50

55

60

Val Pro Ser Gln Ala Asp Val Ala Val Phe Glu Ala Val Ser Ser Pro

65

70

75

80

Pro Pro Ala Asp Leu Cys His Ala Leu Arg Trp Tyr Asn His Ile Lys

85

90

95

Ser Tyr Glu Lys Glu Lys Ala Ser Leu Pro Gly Val Lys Lys Ala Leu

100

105

110

Gly Lys Tyr Gly Pro Ala Asp Val Glu Asp Thr Thr Gly Ser Gly Ala

115

120

125

Thr Asp Ser Lys Asp Asp Asp Asp Ile Asp Leu Phe Gly Ser Asp Asp

130

135

140

Glu Glu Glu Ser Glu Glu Ala Lys Arg Leu Arg Glu Glu Arg Leu Ala

145

150

155

160

Gln Tyr Glu Ser Lys Lys Ala Lys Lys Pro Ala Leu Val Ala Lys Ser

165

170

175

Ser Ile Leu Leu Asp Val Lys Pro Trp Asp Asp Glu Thr Asp Met Ala

180

185

190

Lys Leu Glu Glu Cys Val Arg Ser Ile Gln Ala Asp Gly Leu Val Trp

195

200

205

Gly Ser Ser Lys Leu Val Pro Val Gly Tyr Gly Ile Lys Lys Leu Gln

210		215		220
Ile Gln Cys Val Val Glu Asp Asp Lys Val Gly Thr Asp Met Leu Glu				
225		230		235 240
Glu Gln Ile Thr Ala Phe Glu Asp Tyr Val Gln Ser Met Asp Val Ala				
	245		250	255
Ala Phe Asn Lys Ile				
	260			

<210> 1082
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1082
 Phe Leu Leu Ser Leu His Leu Ala Ala Leu Gln
 1 5 10

<210> 1083
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 1083
 Met Pro Gly Gly Thr Pro Cys Leu Ala Val Pro Ser Ala Asn Thr Glu
 1 5 10 15
 Ile Lys Leu Trp Ile Trp Tyr Gln Glu Trp Trp Leu Met Pro Val Ile
 20 25 30
 Pro Ala Leu Trp Glu Ala Glu Asn Ser
 35 40

<210> 1084
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 1084
 Gly Gly Glu Arg His Leu His Arg Thr His Pro Arg Leu Pro Gly His
 1 5 10 15
 Arg Phe Leu Arg Leu His Arg Ala Pro Arg Val Pro His Val Cys Gly
 20 25 30

Val	Arg	Ala	His	Gly	Ala	Gly	Val	Pro	His	Leu	Val	Ser	Gly	Gly	Asp
		35					40					45			
Glu	Val	Ser	Pro	Gly	Gly	Ala	Gly	Pro	Val	Ser	His	Ser	Ala	Glu	Glu
	50					55					60				
Gln	Pro	Val	His	Gln	Val	Asp	Arg	Leu	Cys	Gly	Ala	Cys	Pro	Gly	Gln
65					70					75					80
Arg	Val	Phe	Leu	Cys	Pro	Gly	Glu	Pro	Gly	Ala	Lys	Ser	Gly	Arg	His
				85					90					95	
Leu	Ser	Gly	Gly	Val	Pro	Pro	Tyr	Thr	Glu	Cys	Asp	His	Ala	Gln	Pro
			100					105					110		
Leu	Ala	Arg	Pro	Gly	Ala	Val	Glu	Ser	Cys	Asn	His	Glu	Val	Cys	Ala
		115					120					125			
Gln	Thr	Gly	Glu	Thr	Val	Gln	Pro	Leu	Met	Ala	Arg	Arg			
	130					135					140				

<210> 1085
 <211> 45
 <212> PRT
 <213> Homo sapiens

Met	Ser	Met	Lys	Cys	Tyr	Leu	Val	Val	Leu	Ile	Cys	Ile	Pro	Leu	Met
1				5					10					15	
Ala	Thr	Asp	Ala	Glu	Cys	Leu	Phe	Leu	Cys	Leu	Arg	Ala	Met	Arg	Ile
			20					25					30		
Ser	Leu	Glu	Lys	Gly	Leu	Ser	Arg	Ser	Phe	Ala	Tyr	Phe			
		35					40					45			

<210> 1086
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>

<221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1086
 Xaa Tyr Xaa Ser Cys Arg Lys Xaa Tyr Leu Thr Tyr Gly Xaa Asn Ser
 1 5 10 15
 Arg Val Asp Pro Arg Val Arg His Val Cys Gly Val Arg Ala His Gly
 20 25 30
 Ala Gly Val Pro His Leu Val Ser Gly Gly Asp Glu Val Ser Pro Gly
 35 40 45
 Gly Ala Gly Pro Val Ser His Ser Ala Glu Glu Gln Pro Val His Gln
 50 55 60
 Val Asp Arg Leu Cys Gly Ala Cys Pro Gly Gln Arg Val Phe Leu Cys
 65 70 75 80
 Pro Gly Glu Pro Gly Ala Lys Ser Gly Arg His Leu Ser Gly Gly Val
 85 90 95
 Pro Pro Tyr Thr Glu Cys Asp His Ala Gln Pro Leu Ala Arg Pro Gly
 100 105 110
 Ala Val Glu Ser Cys Asn His Glu Val Cys Ala Gln Thr Gly Glu Thr
 115 120 125
 Val Gln Pro Leu Met Ala Arg Arg
 130 135

<210> 1087
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Met Ser Met Lys Cys Tyr Leu Val Val Leu Ile Cys Ile Pro Leu Met
 1 5 10 15

Ala Thr Asp Ala Glu Cys Leu Phe Leu Cys Leu Arg Ala Met Arg Ile
 20 25 30

Ser Leu Glu Lys Gly Leu Ser Arg Ser Phe Ala Tyr Phe
 35 40 45

<210> 1088

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088

Leu Asp Ile Lys Val Leu Gln Val Pro Thr Arg Leu Arg Ser Pro Ala
 1 5 10 15

Gly Phe Thr Gln Trp Ile Gln His Trp Gly Ser Arg Trp Ser Cys Leu
 20 25 30

Pro Val Pro Arg Cys Ala Pro Ala Leu Leu Ser Pro Trp Val Val Asp
 35 40 45

Gly Thr Gly Arg Cys Gly Ala Gly Gly Gly Ala Pro Trp Gly Gly Ser
 50 55 60

Gly Arg Thr Gly Ala His Gly Gly Trp Gly Glu Gly Gln Ala Trp Arg
 65 70 75 80

Ala Ala Gly Pro Glu Pro Cys Pro Ala Xaa Arg Gln Leu Arg Pro Ser
 85 90 95

Glu Lys Ser Ser Thr Ala Ala Ala Gly Pro Gly Ala Lys Ala Leu Thr
 100 105 110

Ala Trp Gly Arg Pro Ala Ala Leu Ser Gly Ala Pro Pro Ser Pro Arg
 115 120 125

Pro Pro Gly Thr His Ser Gly Pro Gln Ala Leu Arg Ala Ala Pro Val
 130 135 140

Pro Ala Arg Pro Ser Pro Ser Ala Pro Pro Arg Lys Leu Arg Glu Leu
 145 150 155 160

Ala Pro Ala Leu Ala Ser Pro Glu Arg Gly Ser Tyr Xaa Ala Ala Ala
 165 170 175

Gly

<210> 1089

<211> 414

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (410)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1089

Met Glu Arg Ala Val Arg Val Glu Ser Gly Val Leu Val Gly Val Val
 1 5 10 15

Cys Leu Leu Leu Ala Cys Pro Ala Thr Ala Thr Gly Pro Glu Val Ala
 20 25 30

Gln Pro Glu Val Asp Thr Thr Leu Gly Arg Val Arg Gly Arg Gln Val
 35 40 45

Gly Val Lys Gly Thr Asp Arg Leu Val Asn Val Phe Leu Gly Ile Pro
 50 55 60

Phe Ala Gln Pro Pro Leu Gly Pro Asp Arg Phe Ser Ala Pro His Pro
 65 70 75 80

Ala Gln Pro Trp Glu Gly Val Arg Asp Ala Ser Thr Ala Pro Pro Met
 85 90 95

Cys Leu Gln Asp Val Glu Ser Met Asn Ser Ser Arg Phe Val Leu Asn
 100 105 110

Gly Lys Gln Gln Ile Phe Ser Val Ser Glu Asp Cys Leu Val Leu Asn
 115 120 125

Val Tyr Ser Pro Ala Glu Val Pro Ala Gly Ser Gly Arg Pro Val Met

130					135					140					
Val	Trp	Val	His	Gly	Gly	Ala	Leu	Ile	Thr	Gly	Ala	Ala	Thr	Ser	Tyr
145					150					155					160
Asp	Gly	Ser	Ala	Leu	Ala	Ala	Tyr	Gly	Asp	Val	Val	Val	Xaa	Thr	Val
				165					170					175	
Gln	Tyr	Arg	Leu	Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Glu	His
			180					185					190		
Ala	Pro	Gly	Asn	Gln	Gly	Phe	Leu	Asp	Val	Val	Ala	Ala	Leu	Arg	Trp
		195					200					205			
Val	Gln	Glu	Asn	Ile	Ala	Pro	Phe	Gly	Gly	Asp	Leu	Asn	Cys	Val	Thr
	210					215					220				
Val	Phe	Gly	Gly	Ser	Ala	Gly	Gly	Ser	Ile	Ile	Ser	Gly	Leu	Val	Leu
225					230					235					240
Ser	Pro	Val	Ala	Ala	Gly	Leu	Phe	His	Arg	Ala	Ile	Thr	Gln	Ser	Gly
				245					250					255	
Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala
			260					265					270		
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu
		275					280					285			
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser
	290					295					300				
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val
305					310					315					320
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser
				325					330					335	
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile
			340				345						350		
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu
		355					360					365			
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro
	370					375					380				
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser
385					390					395					400
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Xaa	Gly	Ile	His	Gly		
				405					410						

<210> 1090

<211> 571

<212> PRT

<213> Homo sapiens

<400> 1090

Met	Glu	Arg	Ala	Val	Arg	Val	Glu	Ser	Gly	Val	Leu	Val	Gly	Val	Val
1				5					10					15	
Cys	Leu	Leu	Leu	Ala	Cys	Pro	Ala	Thr	Ala	Thr	Gly	Pro	Glu	Val	Ala
			20					25					30		
Gln	Pro	Glu	Val	Asp	Thr	Thr	Leu	Gly	Arg	Val	Arg	Gly	Arg	Gln	Val
		35					40					45			
Gly	Val	Lys	Gly	Thr	Asp	Arg	Leu	Val	Asn	Val	Phe	Leu	Gly	Ile	Pro
	50					55					60				
Phe	Ala	Gln	Pro	Pro	Leu	Gly	Pro	Asp	Arg	Phe	Ser	Ala	Pro	His	Pro
65					70					75					80
Ala	Gln	Pro	Trp	Glu	Gly	Val	Arg	Asp	Ala	Ser	Thr	Ala	Pro	Pro	Met
				85					90					95	
Cys	Leu	Gln	Asp	Val	Glu	Ser	Met	Asn	Ser	Ser	Arg	Phe	Val	Leu	Asn
			100					105					110		
Gly	Lys	Gln	Gln	Ile	Phe	Ser	Val	Ser	Glu	Asp	Cys	Leu	Val	Leu	Asn
		115					120					125			
Val	Tyr	Ser	Pro	Ala	Glu	Val	Pro	Ala	Gly	Ser	Gly	Arg	Pro	Val	Met
	130					135					140				
Val	Trp	Val	His	Gly	Gly	Ala	Leu	Ile	Thr	Gly	Ala	Ala	Thr	Ser	Tyr
145					150					155					160
Asp	Gly	Ser	Ala	Leu	Ala	Ala	Tyr	Gly	Asp	Val	Val	Val	Val	Thr	Val
				165					170					175	
Gln	Tyr	Arg	Leu	Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Glu	His
			180					185					190		
Ala	Pro	Gly	Asn	Gln	Gly	Phe	Leu	Asp	Val	Val	Ala	Ala	Leu	Arg	Trp
		195					200					205			
Val	Gln	Glu	Asn	Ile	Ala	Pro	Phe	Gly	Gly	Asp	Leu	Asn	Cys	Val	Thr
	210					215					220				
Val	Phe	Gly	Gly	Ser	Ala	Gly	Gly	Ser	Ile	Ile	Ser	Gly	Leu	Val	Leu

225					230					235				240	
Ser	Pro	Val	Ala	Ala	Gly	Leu	Phe	His	Arg	Ala	Ile	Thr	Gln	Ser	Gly
				245					250					255	
Val	Ile	Thr	Thr	Pro	Gly	Ile	Ile	Asp	Ser	His	Pro	Trp	Pro	Leu	Ala
			260					265					270		
Gln	Lys	Ile	Ala	Asn	Thr	Leu	Ala	Cys	Ser	Ser	Ser	Ser	Pro	Ala	Glu
		275					280						285		
Met	Val	Gln	Cys	Leu	Gln	Gln	Lys	Glu	Gly	Glu	Glu	Leu	Val	Leu	Ser
	290					295					300				
Lys	Lys	Leu	Lys	Asn	Thr	Ile	Tyr	Pro	Leu	Thr	Val	Asp	Gly	Thr	Val
305					310					315					320
Phe	Pro	Lys	Ser	Pro	Lys	Glu	Leu	Leu	Lys	Glu	Lys	Pro	Phe	His	Ser
				325					330					335	
Val	Pro	Phe	Leu	Met	Gly	Val	Asn	Asn	His	Glu	Phe	Ser	Trp	Leu	Ile
			340					345					350		
Pro	Arg	Gly	Trp	Gly	Leu	Leu	Asp	Thr	Met	Glu	Gln	Met	Ser	Arg	Glu
		355					360					365			
Asp	Met	Leu	Ala	Ile	Ser	Thr	Pro	Val	Leu	Thr	Ser	Leu	Asp	Val	Pro
	370					375					380				
Pro	Glu	Met	Met	Pro	Thr	Val	Ile	Asp	Glu	Tyr	Leu	Gly	Ser	Asn	Ser
385					390					395					400
Asp	Ala	Gln	Ala	Lys	Cys	Gln	Ala	Phe	Gln	Glu	Phe	Met	Gly	Asp	Val
				405					410					415	
Phe	Ile	Asn	Val	Pro	Thr	Val	Ser	Phe	Ser	Arg	Tyr	Leu	Arg	Asp	Ser
			420					425					430		
Gly	Ser	Pro	Val	Phe	Phe	Tyr	Glu	Phe	Gln	His	Arg	Pro	Ser	Ser	Phe
		435					440					445			
Ala	Lys	Ile	Lys	Pro	Ala	Trp	Val	Lys	Ala	Asp	His	Gly	Ala	Glu	Gly
	450					455					460				
Ala	Phe	Val	Phe	Gly	Gly	Pro	Phe	Leu	Met	Asp	Glu	Ser	Ser	Arg	Leu
465					470					475					480
Ala	Phe	Pro	Glu	Ala	Thr	Glu	Glu	Glu	Lys	Gln	Leu	Ser	Leu	Thr	Met
				485					490					495	
Met	Ala	Gln	Trp	Thr	His	Phe	Ala	Arg	Thr	Gly	Asp	Pro	Asn	Ser	Lys
			500					505					510		

Ala Leu Pro Pro Trp Pro Gln Phe Asn Gln Ala Glu Gln Tyr Leu Glu
515 520 525

Ile Asn Pro Val Pro Arg Ala Gly Gln Lys Phe Arg Glu Ala Trp Met
530 535 540

Gln Phe Trp Ser Glu Thr Leu Pro Ser Lys Ile Gln Gln Trp His Gln
545 550 555 560

Lys Gln Lys Asn Arg Lys Ala Gln Glu Asp Leu
565 570

<210> 1091
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1091
Met Ile Ser Ser Leu Leu Ser Lys Ala Val Leu Ser Leu Trp Ile Ser
1 5 10 15

Val Phe Ser Trp Asn Val Leu Gly Cys Lys Lys Leu Lys Thr Ile Ile
20 25 30

Leu Gln Cys Phe Lys Glu Ala Ser Asp Leu Val Leu Arg Glu Arg Tyr
35 40 45

Leu Gly Val Val Gln Ala Leu Ser Asp Asp Phe Ser Phe Cys Phe Thr
50 55 60

Ile Leu Ser Xaa
65

<210> 1092
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1092
Val Ser Lys Leu Phe Asp Leu Val Arg Val Ala Leu Trp Glu Ser Thr
1 5 10 15

Phe Leu Ser Leu Ser Leu Ser Val Pro Ser Val Cys Ala Met Phe Arg
 20 25 30
 Ser Ser Glu Glu Ser Lys Ile Ser Ser Glu Phe Lys Ile Ile Phe Val
 35 40 45
 Phe Leu Leu Phe Asn Val Met Glu
 50 55

<210> 1093
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 1093
 Met Ile Ser Ser Leu Leu Ser Lys Ala Val Leu Ser Leu Trp Ile Ser
 1 5 10 15
 Val Phe Ser Trp Asn Val Leu Gly Cys Lys Lys Leu Lys Thr Ile Ile
 20 25 30
 Leu Gln Cys Phe Lys Glu Ala Ser Asp Leu Phe Leu Arg Glu Arg Tyr
 35 40 45
 Leu Gly Val Val Gln Ser Leu Ser Asp Asp Phe Phe Phe Leu Leu His
 50 55 60
 His Pro
 65

<210> 1094
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094
 Arg Trp Arg Gly Ala Ser Thr Pro His Arg Asp Tyr Leu Ser Xaa Arg
 1 5 10 15
 Tyr Cys Ala Cys Gly
 20

<210> 1095
<211> 11
<212> PRT
<213> Homo sapiens

<400> 1095
Trp Gln Ile Leu Leu Ile Ala Leu Leu Leu Ile
1 5 10

<210> 1096
<211> 38
<212> PRT
<213> Homo sapiens

<400> 1096
Met Leu Arg Trp Arg Leu Leu Ala Thr Ala Leu Ile Ala Leu Cys Arg
1 5 10 15
Arg Ser Ala Ser Ser Val Ala Ser Gly Glu Pro Pro Asp Ser Pro Pro
20 25 30
Cys Pro Trp Arg Arg Arg
35

<210> 1097
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Met	Leu	His	Met	Tyr	Ser	Gln	Lys	Asp	Pro	Leu	Ile	Leu	Cys	Val	Arg
1				5					10					15	

Leu	Ala	Val	Leu	Leu	Ala	Val	Thr	Leu	Thr	Val	Pro	Val	Val	Leu	Phe
			20					25						30	

Pro	Ile	Arg	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Phe	Pro	Gly	Lys	Ala	Phe
		35					40					45			

Ser	Trp	Pro	Arg	His	Val	Ala	Ile	Ala	Leu	Ile	Leu	Leu	Xaa	Leu	Val
	50					55					60				

Asn	Val	Leu	Ala	Ser	Xaa	Xaa	Gln	Pro	Xaa	Gly	Ile
65					70					75	

<210> 1098

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1098
 Met Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Pro
 1 5 10 15

 Pro Gly Arg Ala Ala Arg Gly Asp Pro Xaa Xaa Ala Ser Arg Ala Gly
 20 25 30

 Pro Tyr Pro Xaa Gly Pro Ala Xaa Ala Ala Phe Xaa Arg Gln Xaa Leu
 35 40 45

 Xaa Leu Gly Thr Thr Trp
 50

 <210> 1099
 <211> 148
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1099
 Leu Xaa Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg Leu
 1 5 10 15

 Xaa Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe Pro
 20 25 30

 Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe Ser
 35 40 45

 Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Val Leu Val Asn
 50 55 60

 Val Leu Val Ile Cys Val Pro Thr Ile Arg Asp Ile Phe Gly Val Ile

65					70					75					80
Gly	Ser	Thr	Ser	Ala	Pro	Ser	Leu	Ile	Phe	Ile	Leu	Pro	Ser	Ile	Phe
				85					90					95	
Tyr	Leu	Arg	Ile	Val	Pro	Ser	Glu	Val	Glu	Pro	Phe	Leu	Ser	Trp	Pro
			100					105					110		
Lys	Ile	Gln	Ala	Leu	Cys	Phe	Gly	Val	Leu	Gly	Val	Leu	Phe	Met	Ala
		115					120					125			
Val	Ser	Leu	Gly	Phe	Met	Phe	Ala	Asn	Trp	Ala	Thr	Gly	Gln	Ser	Arg
	130					135					140				
Met	Ser	Gly	His												
145															

<210> 1100
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 1100															
Met	Leu	His	Met	Tyr	Ser	Gln	Lys	Asp	Pro	Leu	Ile	Leu	Cys	Val	Arg
1				5					10					15	
Leu	Ala	Val	Leu	Leu	Ala	Val	Thr	Leu	Thr	Val	Pro	Val	Val	Leu	Phe
			20					25					30		
Pro	Ile	Arg	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Phe	Pro	Gly	Lys	Ala	Phe
		35					40					45			
Ser	Trp	Pro	Arg	His	Val	Ala	Ile	Ala	Leu	Ile	Leu	Leu	Val	Leu	Val
	50					55					60				
Asn	Val	Leu	Val	Ile	Cys	Val	Pro	Thr	Ile	Arg	Asp	Ile	Phe	Gly	Val
65					70					75					80
Ile	Gly	Ser	Thr	Ser	Ala	Pro	Ser	Leu	Ile	Phe	Ile	Leu	Pro	Ser	Ile
				85					90					95	
Phe	Tyr	Leu	Arg	Ile	Val	Pro	Ser	Glu	Val	Glu	Pro	Phe	Leu	Ser	Trp
		100						105					110		
Pro	Lys	Ile	Gln	Ala	Leu	Cys	Phe	Gly	Val	Leu	Gly	Val	Leu	Phe	Met
		115					120					125			
Ala	Val	Ser	Leu	Gly	Phe	Met	Phe	Ala	Asn	Trp	Ala	Thr	Gly	Gln	Ser
	130					135					140				

Arg Met Ser Gly His
145

<210> 1101
<211> 40
<212> PRT
<213> Homo sapiens

<400> 1101
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1102
<211> 40
<212> PRT
<213> Homo sapiens

<400> 1102
Met Ile Leu Arg Gly Val Tyr Ser Met Val Pro Ile Tyr Thr His Met
1 5 10 15
Ile Phe Leu Phe Thr Phe Phe Leu Thr Ile Ser Gly Lys Tyr Phe Lys
20 25 30
Ile Phe Glu Lys His Ser Arg Ile
35 40

<210> 1103
<211> 56
<212> PRT
<213> Homo sapiens

<400> 1103
Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
1 5 10 15
Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
20 25 30
Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met

	35		40		45		
Ala	Arg	Ser	Ser	Gln	Leu	Lys	Arg
	50					55	

<210> 1104
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 1104
 Gln Gly Phe Ile Phe Trp Thr Gln Tyr Asn Ile Gly Tyr Ile Ser Leu
 1 5 10 15
 Arg Ser Ile Gly Phe Gln His Lys Ser Leu Pro Ile Arg Lys Ser Lys
 20 25 30
 Trp Arg Lys His Gln Ile Ile Ile Ile Thr Gln Gln Lys Cys Gly
 35 40 45
 Asp Trp Gln Trp Phe Trp Gly Phe Ile Ser Ser Ile Arg Ala Ser Ala
 50 55 60
 Ser His Phe Met Lys Leu Leu Pro Ser Glu Arg Thr Leu Asn Thr Pro
 65 70 75 80
 Arg Ser Tyr Cys Ser Phe Phe Leu Asn Gly Ile Leu Lys Asn Trp Leu
 85 90 95
 Lys Arg Glu Glu His Ser Lys Tyr Ile Leu
 100 105

<210> 1105
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1105
 Met Asn Leu Trp Leu Gly Ala Leu Ile Pro Val Thr Val His Leu Lys
 1 5 10 15
 Arg Met Trp Ser His Pro Lys Phe Gln Ala Gln Lys Thr Phe Pro Leu
 20 25 30
 Ser Lys Ser Pro Lys Tyr His Pro Val Phe Leu Leu Val Ile Ile Met
 35 40 45
 Ala Arg Ser Ser Gln Leu Lys Arg

<210> 1106
 <211> 116
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1106
 Val Gly Phe Gln Gly Leu Glu Gly Asn Pro Pro Pro Ala Xaa Leu Asn
 1 5 10 15
 Gly Leu Glu Gly Lys Gly Lys Leu Xaa Lys Lys Ala Gln Gly Thr Gly
 20 25 30
 Xaa Lys Ile Ile Phe Trp Pro Lys Glu Ser Lys Thr Pro Ser Gly Ser
 35 40 45
 Pro Lys Pro Ala Lys Ala Ala Asn Ser Lys Ser Lys Glu Ser Asp Glu
 50 55 60
 Pro His His Ser Lys Asn Glu Arg Pro Ala Arg Pro Pro Pro Pro Ile
 65 70 75 80
 Met Thr Asp Gly Glu Asp Ala Asp Tyr Thr His Phe Thr Asn Gln Gln
 85 90 95
 Ser Ser Thr Arg His Phe Ser Lys Ser Glu Ser Ser His Lys Gly Phe
 100 105 110
 His Tyr Lys His
 115

<210> 1107

<211> 4
<212> PRT
<213> Homo sapiens

<400> 1107
Val Leu Arg Asn
1

<210> 1108
<211> 4
<212> PRT
<213> Homo sapiens

<400> 1108
Val Leu Arg Asn
1

<210> 1109
<211> 54
<212> PRT
<213> Homo sapiens

<400> 1109
Met Ser Ser Leu Gly Leu Gln Glu Pro Gln Lys Asn Leu Thr Ser Phe
1 5 10 15
Pro Gln Ile Ser Pro Tyr Pro Leu Ser Ile Phe Thr Pro Ile Ile Ile
20 25 30
Tyr Phe His Thr Ile Gln Leu Ser Lys Asp Ser Trp Arg Leu Thr Cys
35 40 45
Ile Phe Arg Leu Thr Glu
50

<210> 1110
<211> 5
<212> PRT
<213> Homo sapiens

<400> 1110
Thr Thr Met Thr Gly
1 5

<210> 1111
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1111
 Met Pro Thr Thr Val Gly Ala Gln Ile Phe Ile Phe Ile Phe Leu Leu
 1 5 10 15
 Cys Thr Leu Phe Phe Leu Pro Phe Tyr Gly Cys Leu Lys Ser Arg Glu
 20 25 30
 Lys Gly Arg Leu Val Asn Asp Glu
 35 40

<210> 1112
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 1112
 Met Pro Thr Thr Val Gly Ala Gln Ile Phe Ile Phe Ile Phe Leu Leu
 1 5 10 15
 Cys Thr Leu Phe Phe Leu Pro Phe Tyr Gly Cys Leu Lys Ser Arg Glu
 20 25 30
 Lys Gly Arg Leu Val Asn Asp Glu
 35 40

<210> 1113
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 1113
 Val Asp Pro Arg Val Arg Thr Ser Ser Arg Ser Arg Ala Ala Ala Leu
 1 5 10 15
 Phe Glu Cys Phe Leu Met Val Phe Leu Leu Lys Cys Gln Val Asn Asn
 20 25 30
 Phe Asn Pro Ile Gln Gln Tyr Ser Leu Phe Pro Leu Lys Ser Ser Gly
 35 40 45
 Thr Cys Ser Ile Ser Leu Phe Cys Met Arg Gly Leu Tyr Phe Cys Leu
 50 55 60

Gly Val Val Ile Cys Thr His Ala Ile Leu Leu Lys Pro Ser Cys Leu
65 70 75 80

Val Leu Phe Leu Glu Ser Phe Phe Phe Pro Val Leu Met Tyr Ala Gly
85 90 95

Phe Gly Asn Ser Ser
100

<210> 1114

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1114

Met Lys Glu Arg Lys Gly Phe Asn Leu Gln Gly Pro Leu Ile Leu Trp
1 5 10 15

Ser Phe Cys Leu Ala Ile Phe Ser Ile Leu Gly Ala Val Arg Met Trp
20 25 30

Gly Ile Met Gly Thr Val Leu Leu Thr Gly Gly Leu Lys Gln Thr Val
35 40 45

Cys Phe Ile Asn Phe Ile Asp Asn Ser Thr Val Lys Phe Trp Ser Trp
50 55 60

Val Phe Leu Leu Ser Lys Val Ile Glu Leu Gly Asp Thr Ala Phe Ile
65 70 75 80

Ile Leu Arg Lys Arg Xaa Leu Ile Phe Ile His Trp Tyr His His Ser
85 90 95

Thr Val Leu Val Tyr Thr Ser Phe Gly Tyr Lys Asn Lys Val Pro Ala
100 105 110

Gly Gly Trp Phe Val Thr Met Asn Phe Gly Val His Ala Ile Met Tyr
115 120 125

Thr Tyr Tyr Thr Leu Lys Ala Ala Asn Val Lys Pro Pro Lys Met Leu
130 135 140

Pro Met Leu Ile Thr Ser Leu Gln Ile Leu Gln Met Phe Val Gly Ala
145 150 155 160

Ile Val Ser Ile Leu Thr Tyr Ile Trp Arg Gln Asp Gln Gly Cys His
165 170 175

Thr Thr Met Glu His Leu Phe Trp Ser Phe Ile Leu Tyr Met Thr Tyr
180 185 190

Phe Ile Leu Phe Ala His Phe Phe Cys Gln Thr Tyr Ile Arg Pro Lys
195 200 205

Val Lys Ala Lys Thr Lys Ser Gln
210 215

<210> 1115

<211> 216

<212> PRT

<213> Homo sapiens

<400> 1115

Met Lys Glu Arg Lys Gly Phe Asn Leu Gln Gly Pro Leu Ile Leu Trp
1 5 10 15

Ser Phe Cys Leu Ala Ile Phe Ser Ile Leu Gly Ala Val Arg Met Trp
20 25 30

Gly Ile Met Gly Thr Val Leu Leu Thr Gly Gly Leu Lys Gln Thr Val
35 40 45

Cys Phe Ile Asn Phe Ile Asp Asn Ser Thr Val Lys Phe Trp Ser Trp
50 55 60

Val Phe Leu Leu Ser Lys Val Ile Glu Leu Gly Asp Thr Ala Phe Ile
65 70 75 80

Ile Leu Arg Lys Arg Pro Leu Ile Phe Ile His Trp Tyr His His Ser
85 90 95

Thr Val Leu Val Tyr Thr Ser Phe Gly Tyr Lys Asn Lys Val Pro Ala
100 105 110

Gly Gly Trp Phe Val Thr Met Asn Phe Gly Val His Ala Ile Met Tyr
115 120 125

Thr Tyr Tyr Thr Leu Lys Ala Ala Asn Val Lys Pro Pro Lys Met Leu
130 135 140

Pro Met Leu Ile Thr Ser Leu Gln Ile Leu Gln Met Phe Val Gly Ala
145 150 155 160

Ile Val Ser Ile Leu Thr Tyr Ile Trp Arg Gln Asp Gln Gly Cys His
165 170 175

Thr Thr Met Glu His Leu Phe Trp Ser Phe Ile Leu Tyr Met Thr Tyr
180 185 190

Phe Ile Leu Phe Ala His Phe Phe Cys Gln Thr Tyr Ile Arg Pro Lys
195 200 205

Val Lys Ala Lys Thr Lys Ser Gln
210 215

<210> 1116

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1116

Val Leu Gly Leu Gly Val Val Leu Thr Pro Ile Ile Pro Val Leu Trp
1 5 10 15

<210> 1117

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1117

Asn Asn Leu Cys Phe Ile Ser Pro Phe Thr Ser Met Tyr Trp Leu Ala
1 5 10 15

Gln Phe Ile Val Ser Glu Lys Gln Gly Thr His Leu His Xaa Leu Gln
20 25 30

Glu Thr Val Leu Pro Phe Asn Leu Lys Thr Arg Lys Leu Asn Phe Asn
35 40 45

Arg Asn Leu Leu Ser Met Leu
50 55

<210> 1118

<211> 32
 <212> PRT
 <213> Homo sapiens

<400> 1118
 Met His Met Trp Ile Leu Ser Leu His Phe Ile Phe Thr Pro Arg Leu
 1 5 10 15
 Val Leu Cys Glu Val Arg Pro Asn Lys Ile Val Glu Asp Thr Ile Ile
 20 25 30

<210> 1119
 <211> 1
 <212> PRT
 <213> Homo sapiens

<400> 1119
 Ala
 1

<210> 1120
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1120
 Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Gly Leu Phe
 1 5 10 15
 Val Ser Cys Xaa Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
 20 25 30
 Asp Ser Ile Thr Phe Xaa Asp Pro Lys Lys Lys Cys Leu Ser Asn Leu
 35 40 45

Lys Ser Cys
50

<210> 1121
<211> 51
<212> PRT
<213> Homo sapiens

<400> 1121
Met Glu Leu Leu Gln Ala Lys Lys Leu Leu Leu Leu Gly Leu Phe
1 5 10 15
Val Ser Cys Cys Ser Asn Ile Arg Lys Thr Glu Pro Cys Phe Gly Leu
20 25 30
Asp Ser Ile Thr Phe Arg Asp Pro Lys Lys Lys Cys Leu Cys Asn Leu
35 40 45

Lys Ser Cys
50

<210> 1122
<211> 2
<212> PRT
<213> Homo sapiens

<400> 1122
Tyr Phe
1

<210> 1123
<211> 88
<212> PRT
<213> Homo sapiens

<400> 1123
Leu Thr Thr Pro Tyr Gly Gly Leu Cys Lys Gln Ser Thr Arg Gly Ser
1 5 10 15
Ile Ile Ser Thr Trp Gln Cys Thr Trp Trp Leu Cys Asp Leu Glu Lys
20 25 30
Val Ser Tyr Ser Cys Leu Cys Val Leu Thr Leu Glu Thr Glu Thr Leu
35 40 45
Phe Val Val Phe Thr Leu Phe Gln Gln Gln Lys Leu Phe Gln Gly Lys

50 55 60
 Ser Tyr Arg Thr Phe Lys His Val Cys Ile His Thr Tyr Pro Ile Pro
 65 70 75 80
 His Tyr Ile Lys Val Ile Leu Leu
 85

<210> 1124
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1124
 Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
 1 5 10 15
 Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
 20 25 30
 Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
 35 40 45
 Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu
 50 55 60
 Asn Pro Phe Ser Pro Leu Phe Tyr Phe Cys Tyr Ser Asp His Leu Ser
 65 70 75 80
 Pro Phe

<210> 1125
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 1125
 Met Asn Leu Gly Trp Tyr Gln Met His Pro Leu Lys Met Ile Trp Leu
 1 5 10 15
 Thr Ile Phe Leu Thr Trp Leu Met Arg Gln Ala Ser Pro Thr Gly His
 20 25 30
 Asp Leu Glu Val Lys Val Phe Cys Cys Tyr Cys Gly Leu Lys Tyr Leu
 35 40 45
 Val Met Gly Glu Glu Cys Arg Val Val Ala Leu Ala Gln Thr Gln Glu

<210> 1128
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 1128
 Met Gly Thr Phe Ser Leu Met Leu Leu Leu Leu Pro Ser Val Val Cys
 1 5 10 15
 Phe Ser Phe Lys Val Arg Pro Leu Phe Cys Arg Ala Ala Val Val Cys
 20 25 30
 Ser Gly Ser Thr Ser Asp Pro Ile His Leu Gly Pro Ser His Thr Trp
 35 40 45
 Arg Cys His Gln Trp Arg Leu Gln Asn Ser Lys Asp Gly Cys Leu Leu
 50 55 60
 Leu Pro Pro Gly Ser Pro Ser Gln Arg Glu Thr Asp Leu Met Leu Ala
 65 70 75 80
 Gly Met Leu Leu

<210> 1129
 <211> 219
 <212> PRT
 <213> Homo sapiens

<400> 1129
 Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
 1 5 10 15
 Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
 20 25 30
 Arg Tyr Gly Gln Arg Asn Ile Leu Ile Tyr Ile Ile Ile Cys Ser Val
 35 40 45
 Ile Gly Ala Phe Ser Val Ala Ala Val Lys Gly Leu Gly Ile Thr Ile
 50 55 60
 Lys Asn Phe Phe Gln Gly Leu Pro Val Val Arg His Pro Leu Pro Tyr
 65 70 75 80
 Ile Leu Ser Leu Ile Leu Ala Leu Ser Leu Ser Thr Gln Val Asn Phe
 85 90 95

Leu Asn Arg Ala Leu Asp Ile Phe Asn Thr Ser Leu Val Phe Pro Ile
 100 105 110
 Tyr Tyr Val Phe Phe Thr Thr Val Val Val Thr Ser Ser Ile Ile Leu
 115 120 125
 Phe Lys Glu Trp Tyr Ser Met Ser Ala Val Asp Ile Ala Gly Thr Leu
 130 135 140
 Ser Gly Phe Val Thr Ile Ile Leu Gly Val Phe Met Leu His Ala Phe
 145 150 155 160
 Lys Asp Leu Asp Ile Ser Cys Ala Ser Leu Pro His Met His Lys Asn
 165 170 175
 Pro Pro Pro Ser Pro Ala Pro Glu Pro Thr Val Ile Arg Leu Glu Asp
 180 185 190
 Lys Asn Val Leu Val Asp Asn Ile Glu Leu Ala Ser Thr Ser Ser Pro
 195 200 205
 Glu Glu Lys Pro Lys Val Phe Ile Ile His Ser
 210 215

<210> 1130

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1130

Met Glu Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala
 1 5 10 15
 Val Leu Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro
 20 25 30
 Arg Tyr Gly Gln Arg Asn Ile Leu Ile Tyr Ile Ile Ile Cys Ser Val
 35 40 45

Ile Gly Ala Phe Ser Val Ala Ala Val Lys Gly Leu Gly Ile Thr Ile
 50 55 60
 Lys Asn Phe Phe Gln Gly Leu Pro Val Val Arg His Pro Leu Pro Tyr
 65 70 75 80
 Ile Leu Ser Leu Ile Leu Ala Leu Ser Leu Ser Thr Gln Val Asn Phe
 85 90 95
 Leu Asn Arg Ala Leu Asp Ile Xaa Asn Thr Ser Leu Val Phe Pro Ile
 100 105 110
 Tyr Tyr Val Phe Phe Thr Thr Val Val Val Thr Ser Ser Ile Ile Leu
 115 120 125
 Phe Lys Glu Trp Tyr Ser Met Ser Ala Val Asp Ile Ala Gly Thr Leu
 130 135 140
 Ser Gly Phe Val Thr Ile Ile Leu Gly Val Phe Met Leu His Ala Phe
 145 150 155 160
 Lys Asp Leu Asp Ile Ser Cys Ala Ser Leu Pro His Met His Lys Asn
 165 170 175
 Pro Pro Pro Ser Pro Ala Pro Glu Pro Thr Val Ile Arg Leu Glu Asp
 180 185 190
 Lys Asn Val Leu Xaa Asp Asn Ile Glu Leu Ala Ser Thr Ser Ser Pro
 195 200 205
 Glu Glu Lys Pro Lys Val Phe Ile Ile His Ser
 210 215

<210> 1131
 <211> 217
 <212> PRT
 <213> Homo sapiens

<400> 1131
 Met Ala Ser Lys Met Lys Asp Thr Gly Phe Ile Val Phe Ala Val Leu
 1 5 10 15
 Leu Leu Val Ser Cys Leu Ile Leu Ile Phe Val Ile Ala Pro Arg Tyr
 20 25 30
 Gly Gln Arg Asn Ile Leu Ile Tyr Ile Ile Ile Cys Ser Val Ile Gly
 35 40 45
 Ala Phe Ser Val Ala Ala Val Lys Gly Leu Gly Ile Thr Ile Lys Asn
 50 55 60

Phe	Phe	Gln	Gly	Leu	Pro	Val	Val	Arg	His	Pro	Leu	Pro	Tyr	Ile	Leu
65					70					75					80
Ser	Leu	Ile	Leu	Ala	Leu	Ser	Leu	Ser	Thr	Gln	Val	Asn	Phe	Leu	Asn
				85					90					95	
Arg	Ala	Leu	Asp	Ile	Phe	Asn	Thr	Ser	Leu	Val	Phe	Pro	Ile	Tyr	Tyr
			100					105					110		
Val	Phe	Phe	Thr	Thr	Val	Val	Val	Thr	Ser	Ser	Ile	Ile	Leu	Phe	Lys
		115					120					125			
Glu	Trp	Tyr	Ser	Met	Ser	Ala	Val	Asp	Ile	Ala	Gly	Thr	Leu	Ser	Gly
	130					135					140				
Phe	Val	Thr	Ile	Ile	Leu	Gly	Val	Phe	Met	Leu	His	Ala	Phe	Lys	Asp
145					150					155					160
Leu	Asp	Ile	Ser	Cys	Ala	Ser	Leu	Pro	His	Met	His	Lys	Asn	Pro	Pro
				165					170					175	
Pro	Ser	Pro	Ala	Pro	Glu	Pro	Thr	Val	Ile	Arg	Leu	Glu	Asp	Lys	Asn
			180					185					190		
Val	Leu	Val	Asp	Asn	Ile	Glu	Leu	Ala	Ser	Thr	Ser	Ser	Pro	Glu	Glu
		195					200					205			
Lys	Pro	Lys	Val	Phe	Ile	Ile	His	Ser							
	210					215									

<210> 1132

<211> 253

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (252)

<223> Xaa equals any of the naturally occurring L-amino acids.

<220>

<221> SITE

<222> (253)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1132

Met	Gln	Ala	Cys	Val	Leu	Leu	Leu	Gly	Leu	Val	Leu	Ser	Ala	Gln	Leu	
1				5				10						15		
Gln	Ser	Pro	Glu	Asn	Met	Arg	Met	Gly	Gly	Gly	Arg	Val	Leu	Leu	Arg	
			20					25					30			
Ala	His	Pro	Val	Pro	Ala	Gly	Gly	Gly	Gln	Cys	Gln	Ser	Ser	Ala	Lys	
		35					40					45				
Gly	Pro	Trp	Val	Gly	Thr	Gly	Pro	Glu	Arg	Glu	Glu	Arg	Asp	Ser	Pro	
	50					55					60					
Glu	Gly	Arg	Trp	Ala	Ser	Tyr	Trp	Ala	Gln	Ser	Trp	Glu	Gly	Val	Ala	
65					70					75					80	
Ala	Ser	Thr	Gly	Trp	Ala	Trp	Thr	Pro	Leu	Ala	Pro	Thr	Pro	Ser	Gly	
				85					90						95	
Cys	Gly	Cys	Ser	Leu	Ser	Leu	Glu	Ser	Arg	Thr	Gly	Pro	Gly	Cys	Leu	
			100					105					110			
Gly	Gly	Cys	Gln	Val	Pro	Pro	Glu	Leu	Pro	Arg	Ala	Pro	Thr	Cys	Lys	
		115					120					125				
Cys	Gln	Pro	Gln	Gly	Ser	Ala	Gln	Met	Arg	Pro	Ser	Gln	Leu	Gln	Pro	
	130					135					140					
Ala	Met	Pro	Trp	Asp	Ala	His	Arg	Glu	Gly	Gly	Gly	Phe	Gly	Leu	Leu	
145					150					155					160	
Ser	Pro	Trp	Glu	Arg	Leu	Gly	Ala	Val	Thr	Ala	Arg	Leu	Ala	Gln	Ala	
				165					170					175		
His	Cys	Arg	Val	Gly	Trp	Leu	Pro	Gln	Pro	Gly	Leu	Gly	Gly	Thr	Pro	
			180					185					190			
Gly	Ser	Gly	Pro	Pro	Cys	Leu	Glu	Ser	Gln	Trp	Gly	Asp	Gly	Glu	Glu	
		195					200					205				
Thr	Trp	Pro	Pro	Met	Ala	Xaa	Gly	Gln	Leu	Arg	Thr	Arg	Thr	Cys	Trp	
	210					215					220					
Ser	Trp	Lys	Cys	Cys	Gly	Val	Glu	Gly	Trp	Gly	Gly	Gln	Leu	Leu	Thr	
225					230					235					240	
Pro	Ala	Ser	Cys	Leu	Leu	Leu	Ser	Thr	Phe	Pro	Xaa	Xaa				
				245					250							

<210> 1133
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 1133

Asn	Ser	Glu	Lys	Gly	Gln	Lys	Lys	Gln	Arg	Gly	Pro	Arg	Trp	Ile	Cys
1				5					10					15	
Gln	Leu	Phe	Cys	Arg	Cys	Phe	Leu	Pro	Leu	Leu	Trp	Val	Val	Cys	Ser
			20					25					30		
Pro	Leu	Gln	Thr	Ser	Ala	Arg	Arg	Glu	Gly	Leu	Asn	Leu	Pro	Ala	Pro
		35					40					45			
Gln	Asp	Leu	Leu	Pro	Ser	Gly	Pro	Ser	Pro	Ala	Leu	Arg	Ser	Leu	Pro
	50					55					60				
Asp	Arg	Arg	Val	Asp	Arg	Ala	Thr	Trp	Ala	Ala	Arg	Glu	Thr	His	Gly
65					70					75					80
Gly	Pro	Pro	Cys	Gly	Gln	Pro	Cys	Gln	Leu	Pro	Pro	Ser	Pro	Glu	Leu
				85					90					95	
His	Leu	His	Leu	Glu	Glu										
			100												

<210> 1134
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1134

Met	Gln	Ala	Cys	Val	Leu	Leu	Leu	Gly	Leu	Val	Leu	Ser	Ala	Gln	Leu
1				5					10					15	
Gln	Ser	Pro	Glu	Asn	Met	Arg	Met	Gly	Gly	Gly	Arg	Val	Leu	Leu	Arg
			20					25					30		
Ala	His	Pro	Val	Pro	Ala	Gly	Gly	Gly	Gln	Cys	Gln	Ser	Ser	Ala	Lys
		35					40					45			
Gly	Pro	Trp	Val	Gly	Thr	Gly	Pro	Glu	Arg	Glu	Glu	Arg	Asp	Ser	Pro
	50					55					60				
Glu	Gly	Arg	Trp	Ala	Ser	Tyr	Trp	Ala	Gln	Ser	Trp	Glu	Gly	Val	Ala
65					70					75					80
Ala	Ser	Thr	Gly	Trp	Ala	Trp	Thr	Pro	Leu	Ala	Pro	Thr	Pro	Ser	Gly
				85					90					95	

Cys Gly Cys Ser Pro Lys Pro Gly Glu Gln Asp Arg Pro Gly Val Ser
100 105 110

Gly Arg Leu Pro Gly Ala Ser Gln Ser Ser Gln Gly Pro Pro Pro Ala
115 120 125

Ser Ala Ser Leu Arg Ala Val Pro Lys
130 135

<210> 1135
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135
Met Tyr Ala Leu Tyr Ile Thr Val His Gly Tyr Phe Leu Ile Thr Phe
1 5 10 15

Leu Phe Gly Met Val Val Leu Ala Leu Val Val Trp Lys Ile Phe Thr
20 25 30

Leu Xaa Arg Ala Thr Ala Val Lys Glu Arg Gly Lys Asn Arg Lys Lys
35 40 45

Val Leu Thr Leu Leu Gly Leu Ser Ser Leu Val Gly Val Thr Trp Gly
50 55 60

Leu Ala Ile Phe Thr Pro Leu Gly Leu Ser Thr Xaa Tyr Ile Phe Ala
65 70 75 80

Leu Phe Asn Ser Leu Gln Ala Gln Arg Gly Ile Thr Val
85 90

<210> 1136
<211> 93
<212> PRT
<213> Homo sapiens

<400> 1136

Met	Tyr	Ala	Leu	Tyr	Ile	Thr	Val	His	Gly	Tyr	Phe	Leu	Ile	Thr	Phe
1				5					10					15	
Leu	Phe	Gly	Met	Val	Val	Leu	Ala	Leu	Val	Val	Trp	Lys	Ile	Phe	Thr
			20					25					30		
Leu	Ser	Arg	Ala	Thr	Ala	Val	Lys	Glu	Arg	Gly	Lys	Asn	Arg	Lys	Lys
		35					40					45			
Val	Leu	Thr	Leu	Leu	Gly	Leu	Ser	Ser	Leu	Val	Gly	Val	Thr	Trp	Gly
	50					55					60				
Leu	Ala	Ile	Phe	Thr	Pro	Leu	Gly	Leu	Ser	Thr	Val	Tyr	Ile	Phe	Ala
	65				70					75					80
Leu	Phe	Asn	Ser	Leu	Gln	Ala	Gln	Arg	Gly	Ile	Thr	Val			
				85					90						

<210> 1137

<211> 122

<212> PRT

<213> Homo sapiens

<400> 1137

Met	Tyr	Ala	Leu	Tyr	Ile	Thr	Val	His	Gly	Tyr	Phe	Leu	Ile	Thr	Phe
1				5					10					15	
Leu	Phe	Gly	Met	Val	Val	Leu	Ala	Leu	Val	Val	Trp	Lys	Ile	Phe	Thr
			20					25					30		
Leu	Ser	Arg	Ala	Thr	Ala	Val	Lys	Glu	Arg	Gly	Lys	Asn	Arg	Lys	Lys
		35					40					45			
Val	Leu	Thr	Leu	Leu	Gly	Leu	Ser	Ser	Leu	Val	Gly	Val	Thr	Trp	Gly
	50					55					60				
Leu	Ala	Ile	Phe	Thr	Pro	Leu	Gly	Leu	Ser	Thr	Val	Tyr	Ile	Phe	Ala
	65				70					75					80
Leu	Phe	Asn	Ser	Leu	Gln	Gly	Val	Phe	Ile	Cys	Cys	Trp	Phe	Thr	Ile
				85					90					95	
Leu	Tyr	Leu	Pro	Ser	Gln	Ser	Thr	Thr	Val	Ser	Ser	Ser	Thr	Ala	Arg
		100						105					110		
Leu	Asp	Gln	Ala	His	Ser	Ala	Ser	Gln	Glu						
	115							120							

<210> 1138

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1138

Ala Pro Gly Gln Thr Pro Ser Leu Cys Ser Trp Leu Leu Pro Leu Pro
1 5 10 15

Ser Thr Trp Ala Thr Thr Gly His Val Cys Phe Ser Asp Ile Leu Gln
20 25 30

Thr Pro Asp Gly Gly Gln Leu Leu Leu Asp Trp Ala Lys Gln Pro Asp
35 40 45

Ser Ser Gln Asp Pro Asp Pro Thr Thr Gln Pro Ile Val Leu Leu Leu
50 55 60

Pro Gly Ile Thr Gly Ser Ser Gln Glu Thr Tyr Val Leu His Leu Val
65 70 75 80

Asn Gln Ala Leu Arg Asp Gly Tyr Gln Ala Val Val Phe Asn Asn Arg
85 90 95

Gly Cys Arg Gly Glu Glu Leu Arg Thr His Arg Ala Phe Cys Ala Ser
100 105 110

Asn Thr Glu Asp Leu Glu Thr Val Val Asn His Ile Lys His Arg Tyr
115 120 125

Pro Gln Ala Pro Leu Leu Ala Val Gly Ile Ser Phe Gly Gly Ile Leu
130 135 140

Val Leu Asn His Leu Ala Gln Ala Arg Gln Ala Ala Gly Leu Val Ala
145 150 155 160

Ala Leu Thr Leu Ser Ala Cys Trp Asp Ser Phe Glu Thr Thr Arg Ser
165 170 175

Leu Glu Thr Pro Leu Asn Ser Leu Leu Phe Asn Gln Pro Leu Thr Ala
180 185 190

Gly Leu Cys Gln Leu Val Glu Arg Leu Ser Tyr Gly Lys Thr Cys Arg
195 200 205

Pro Val Gln Ser Ala Ser Leu Met Ser Ala Thr His Leu Trp Pro Leu
210 215 220

Asp Ile Lys Thr Val Leu Pro Thr Thr Lys Gln Gln Ala Leu Glu Pro
225 230 235 240

Arg

<210> 1139

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1139

Met Ala Pro Gly Gln Thr Pro Ser Leu Cys Ser Trp Leu Leu Pro Leu
1 5 10 15

Pro Ser Thr Trp Ala Thr Thr Gly His Val Cys Phe Ser Asp Ile Leu
20 25 30

Gln Thr Pro Asp Gly Gly Gln Leu Leu Leu Asp Trp Ala Lys Gln Pro
35 40 45

Asp Ser Ser Gln Asp Pro Asp Pro Thr Thr Gln Pro Ile Val Leu Leu
50 55 60

Leu Pro Gly Ile Thr Gly Ser Ser Gln Glu Thr Tyr Val Leu His Leu
65 70 75 80

Val Asn Gln Ala Leu Arg Asp Gly Tyr Gln Ala Val Val Phe Asn Asn
85 90 95

Arg Gly Cys Arg Gly Glu Glu Leu Arg Thr His Arg Ala Phe Cys Ala
100 105 110

Ser Asn Thr Glu Asp Leu Glu Thr Val Val Asn His Ile Lys His Arg
115 120 125

Tyr Pro Gln Ala Pro Leu Leu Ala Val Gly Ile Ser Phe Gly Gly Ile
130 135 140

Leu Val Leu Asn His Leu Ala Gln Ala Arg Gln Ala Ala Gly Leu Val
145 150 155 160

Ala Ala Leu Thr Leu Ser Ala Cys Trp Asp Ser Phe Glu Thr Thr Arg
165 170 175

Ser Leu Glu Thr Pro Leu Asn Ser Leu Leu Phe Asn Gln Pro Leu Thr
180 185 190

Ala Gly Leu Cys Gln Leu Val Glu Arg Leu Ser Tyr Gly Lys Thr Cys
195 200 205

Arg Pro Val Gln Ser Ala Ser Leu Met Ser Ala Thr His Leu Trp Pro

210		215		220
Leu Asp Ile Lys Thr Val	Leu Pro Thr Thr	Lys Gln Gln Ala	Leu Glu	
225	230	235	240	

Pro Arg

<210> 1140
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1140.
 Met Gly Trp Pro Arg Pro Gly Arg Ala Leu Val Ala Val Lys Ala Leu
 1 5 10 15

Leu Val Leu Ser Leu Leu Gln Val Pro Ala Gln Ala Val Val Arg Ala
 20 25 30

Val Leu Glu Asp Asn Ser Ser Ser Val Asp Phe Ala Asp Leu Pro Ala
 35 40 45

Leu Phe Gly Val Pro Leu Ala Pro Glu Gly Ile Arg Gly Tyr Leu Met
 50 55 60

Glu Val Lys Pro Ala Asn Ala Cys His Pro Ile Glu Ala Pro Arg Leu
 65 70 75 80

Gly Asn Arg Ser Leu Gly Ala Ile Val Leu Ile Arg Arg Tyr Asp Cys
 85 90 95

Thr Phe Asp Leu Lys Val Leu Asn Ala Gln Arg Ala Gly Phe Glu Ala
 100 105 110

Ala Ile Val His Asn Val His Ser Asp Asp Leu Val Ser Met Thr His
 115 120 125

Val Tyr Glu Asp Leu Arg Gly Gln Ile Ala Ile Pro Ser Val Xaa Val
 130 135 140

Ser Glu Ala Ala Arg Arg Thr Cys Gly Ser Ser Trp Ala Ala Thr Ser
 145 150 155 160

Arg Pro Thr Arg Cys Pro Ala Asp Asp Pro Pro Cys His Asp Leu Ala

165

170

175

Val Thr Pro Cys
180

<210> 1141

<211> 225

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1141

Thr Gln Pro Cys Gln Arg Pro Gly Ile Val Thr Pro Val Leu Thr Val
1 5 10 15

Ser Trp Val Leu Xaa Cys Thr Leu Ala Leu Val Val Ser Ala Phe Phe
20 25 30

Val Leu Asn His Leu Trp Leu Trp Ala Gln Ala Cys Xaa Ser His Arg
35 40 45

Arg Pro Val Lys Thr Ser Thr Cys Gln Lys Ala Gln Val Arg Thr Phe
50 55 60

Thr Trp His Asn Asp Leu Cys Ala Ile Cys Leu Asp Glu Tyr Glu Glu
65 70 75 80

Gly Asp Gln Leu Lys Ile Leu Pro Cys Ser His Thr Tyr His Cys Lys
85 90 95

Cys Ile Asp Pro Trp Phe Ser Gln Ala Pro Arg Arg Ser Cys Pro Val
100 105 110

Cys Lys Gln Ser Val Ala Ala Thr Glu Asp Ser Phe Asp Ser Thr Thr
115 120 125

Tyr Ser Phe Arg Asp Glu Asp Pro Ser Leu Pro Gly His Arg Pro Pro
130 135 140

Ile Trp Ala Ile Gln Val Gln Tyr Ala Pro Gly Gly Trp Ser Cys Trp
145 150 155 160

Ala Ala Pro Val Pro Thr Ala Thr Ala Ala Pro Arg Pro Trp Arg Gln
165 170 175

Ser Ile Pro Leu Ser Pro Gln Pro Leu Leu Arg Pro Leu Val Ser Lys
180 185 190

Asp Leu Gly Gln Gly Gly Gly Cys Asn Glu Glu Cys Phe Trp Ser Glu
195 200 205

Lys Asn Lys Val Gly Leu Lys Ala Glu Lys Lys Lys Lys Lys Thr
210 215 220

Arg
225

<210> 1142
<211> 359
<212> PRT
<213> Homo sapiens

<400> 1142
Met Gly Trp Pro Arg Pro Gly Arg Ala Leu Val Ala Val Lys Ala Leu
1 5 10 15

Leu Val Leu Ser Leu Leu Gln Val Pro Ala Gln Ala Val Val Arg Ala
20 25 30

Val Leu Glu Asp Asn Ser Ser Ser Val Asp Phe Ala Asp Leu Pro Ala
35 40 45

Leu Phe Gly Val Pro Leu Ala Pro Glu Gly Ile Arg Gly Tyr Leu Met
50 55 60

Glu Val Lys Pro Ala Asn Ala Cys His Pro Ile Glu Ala Pro Arg Leu
65 70 75 80

Gly Asn Arg Ser Leu Gly Ala Ile Val Leu Ile Arg Arg Tyr Asp Cys
85 90 95

Thr Phe Asp Leu Lys Val Leu Asn Ala Gln Arg Ala Gly Phe Glu Ala
100 105 110

Ala Ile Val His Asn Val His Ser Asp Asp Leu Val Ser Met Thr His
115 120 125

Val Tyr Glu Asp Leu Arg Gly Gln Ile Ala Ile Pro Ser Val Phe Val
130 135 140

Ser Glu Ala Ala Ser Gln Asp Leu Arg Val Ile Leu Gly Cys Asn Lys

145		150		155		160									
Ser	Ala	His	Ala	Leu	Leu	Leu	Pro	Asp	Asp	Pro	Pro	Cys	His	Asp	Leu
				165					170					175	
Gly	Cys	His	Pro	Val	Leu	Thr	Val	Ser	Trp	Val	Leu	Gly	Cys	Thr	Leu
			180					185					190		
Ala	Leu	Val	Val	Ser	Ala	Phe	Phe	Val	Leu	Asn	His	Leu	Trp	Leu	Trp
		195					200					205			
Ala	Gln	Ala	Cys	Cys	Ser	His	Arg	Arg	Pro	Val	Lys	Thr	Ser	Thr	Cys
	210					215					220				
Gln	Lys	Ala	Gln	Val	Arg	Thr	Phe	Thr	Trp	His	Asn	Asp	Leu	Cys	Ala
225					230					235					240
Ile	Cys	Leu	Asp	Glu	Tyr	Glu	Glu	Gly	Asp	Gln	Leu	Lys	Ile	Leu	Pro
				245					250					255	
Cys	Ser	His	Thr	Tyr	His	Cys	Lys	Cys	Ile	Asp	Pro	Trp	Phe	Ser	Gln
			260					265					270		
Ala	Pro	Arg	Arg	Ser	Cys	Pro	Val	Cys	Lys	Gln	Ser	Val	Ala	Ala	Thr
		275					280					285			
Glu	Asp	Ser	Phe	Asp	Ser	Thr	Thr	Tyr	Ser	Phe	Arg	Asp	Glu	Asp	Pro
	290					295					300				
Ser	Leu	Pro	Gly	His	Arg	Pro	Pro	Ile	Trp	Ala	Ile	Gln	Val	Gln	Leu
305					310					315					320
Arg	Ser	Arg	Arg	Leu	Glu	Leu	Leu	Gly	Arg	Ala	Ser	Pro	His	Cys	His
				325					330					335	
Cys	Ser	Thr	Thr	Ser	Leu	Glu	Ala	Glu	Tyr	Thr	Thr	Val	Ser	Ser	Ala
			340					345					350		
Pro	Pro	Glu	Ala	Pro	Gly	Gln									
		355													

<210> 1143
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 1143
 Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
 1 5 10 15

Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
 20 25 30
 Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
 35 40 45
 Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
 50 55 60
 Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
 65 70 75 80
 Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
 85 90 95
 Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
 100 105 110
 Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
 115 120 125
 Ser Pro Thr Arg Gln
 130

<210> 1144

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1144

Pro Cys Cys Phe His Lys Pro His Ala Ser His Ile Met Asn Phe Leu
 1 5 10 15
 Ile Arg Ile Gln Cys Ile Tyr Leu Pro Lys Ile Val Cys Ala Tyr Ser
 20 25 30
 Lys Tyr Glu Gln Phe Leu Asn Asn Gly Ser Ile Ile Phe Val Gln Asn
 35 40 45
 Ala Lys Asn Trp Gly Gln Ala Trp Trp His Thr Pro Val Ile Pro Ala
 50 55 60
 Leu Trp Glu Ala Lys Val Gly Xaa Ser Pro Glu Val Arg Ser Leu Arg
 65 70 75 80

Pro Ala Trp Pro Ala Trp
85

<210> 1145
<211> 133
<212> PRT
<213> Homo sapiens

<400> 1145
Met Trp His Thr Lys Pro Leu Gly Ser Gly Ser Cys Val Pro Leu Leu
1 5 10 15
Pro Leu Leu Leu Leu Leu Leu Leu Leu Phe Pro Leu Leu Pro Trp Pro
20 25 30
Pro Pro Leu Pro Pro Pro Pro Pro Ser Ser Leu His Pro Phe Ala Pro
35 40 45
Ala Phe Pro Ala Thr Gly Ser Leu Ser Ser Asn Asn Ser Gln Leu Leu
50 55 60
Ala Pro Leu Arg Leu Gln Asn Ala Leu His Leu Phe Lys Cys Phe Pro
65 70 75 80
Val Leu Phe Pro Leu His Lys Ile Ile Ser Phe His Pro Glu Tyr Pro
85 90 95
Trp Gln Ala Pro Ile Phe Gln Tyr Phe Tyr Leu Ser Ile Pro Ser Ser
100 105 110
Ser Leu His Pro Glu His Leu Gly His Ser Phe Val Ser Thr Leu His
115 120 125
Ser Pro Thr Arg Gln
130

<210> 1146
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1146
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu

1		5		10		15									
Leu	Leu	Lys	Leu	His	Leu	Trp	Pro	Gln	Leu	Arg	Trp	Leu	Pro	Ala	Asp
			20					25					30		
Leu	Ala	Phe	Ala	Val	Arg	Ala	Leu	Cys	Cys	Lys	Arg	Ala	Leu	Arg	Ala
		35					40					45			
Arg	Ala	Leu	Ala	Ala	Ala	Ala	Ala	Asp	Pro	Glu	Gly	Pro	Glu	Gly	Gly
	50					55					60				
Cys	Ser	Leu	Ala	Trp	Arg	Leu	Ala	Glu	Leu	Ala	Gln	Gln	Arg	Ala	Glu
65					70					75					80
Leu	Leu	Leu	Arg	Ser	Arg	Ala	Leu	Ala	Thr	Xaa	Arg	Arg	Ser	Ala	Arg
				85					90					95	
Val	Thr	Gly													

<210> 1147
 <211> 455
 <212> PRT
 <213> Homo sapiens

<400> 1147
Met Ala Ala Leu Leu Leu Leu Pro Leu Leu Leu Leu Leu Pro Leu Leu
1 5 10 15
Leu Leu Lys Leu His Leu Trp Pro Gln Leu Arg Trp Leu Pro Ala Asp
20 25 30
Leu Ala Phe Ala Val Arg Ala Leu Cys Cys Lys Arg Ala Leu Arg Ala
35 40 45
Arg Ala Leu Ala Ala Ala Ala Ala Asp Pro Glu Gly Pro Glu Gly Pro
50 55 60
Cys Ile Leu Ala Trp Arg Leu Ala Glu Leu Ala Gln Gln Arg Ala Arg
65 70 75 80
Asn Phe Leu Leu Arg Ser Arg Ala Leu Ala Thr Gln Arg Arg Ser Ala
85 90 95
Arg Val Thr Gly Leu Thr Arg Leu Pro Thr Cys Ala Arg Leu Gly Leu
100 105 110
Gly Thr Arg Arg Arg Arg Gln Arg Arg Gly Glu Arg Trp Arg Arg Arg
115 120 125

Ala	Gly	Ser	Ala	Gly	Ser	Arg	Arg	Cys	Ser	Gly	Arg	Lys	Arg	Arg	Gly	130	135	140
Val	Cys	Arg	Arg	Gly	Arg	Cys	Arg	Gln	Arg	Trp	Arg	Ser	Arg	Ala	Pro	145	150	155
Leu	Ser	Pro	Gly	Ala	Thr	Val	Ala	Leu	Leu	Leu	Pro	Ala	Gly	Pro	Glu	165	170	175
Phe	Leu	Trp	Leu	Trp	Ile	Gly	Leu	Ala	Lys	Ala	Gly	Leu	Arg	Thr	Ala	180	185	190
Phe	Val	Pro	Thr	Ala	Leu	Arg	Arg	Gly	Pro	Leu	Leu	His	Cys	Leu	Arg	195	200	205
Ser	Cys	Gly	Ala	Arg	Ala	Leu	Val	Leu	Ala	Pro	Glu	Phe	Leu	Glu	Ser	210	215	220
Leu	Glu	Pro	Asp	Leu	Pro	Ala	Leu	Arg	Ala	Met	Gly	Leu	His	Leu	Trp	225	230	235
Ala	Ala	Gly	Pro	Gly	Thr	His	Pro	Ala	Gly	Ile	Ser	Asp	Leu	Leu	Ala	245	250	255
Glu	Val	Ser	Ala	Glu	Val	Asp	Gly	Pro	Val	Pro	Gly	Tyr	Leu	Ser	Ser	260	265	270
Pro	Gln	Ser	Ile	Thr	Asp	Thr	Cys	Leu	Tyr	Ile	Phe	Thr	Ser	Gly	Thr	275	280	285
Thr	Gly	Leu	Pro	Lys	Ala	Ala	Arg	Ile	Ser	His	Leu	Lys	Ile	Leu	Gln	290	295	300
Cys	Gln	Gly	Phe	Tyr	Gln	Leu	Cys	Gly	Val	His	Gln	Glu	Asp	Val	Ile	305	310	315
Tyr	Leu	Ala	Leu	Pro	Leu	Tyr	His	Met	Ser	Gly	Ser	Leu	Leu	Gly	Ile	325	330	335
Val	Gly	Cys	Met	Gly	Ile	Gly	Ala	Thr	Val	Val	Leu	Lys	Ser	Lys	Phe	340	345	350
Ser	Ala	Gly	Gln	Phe	Trp	Glu	Asp	Cys	Gln	Gln	His	Arg	Val	Thr	Val	355	360	365
Phe	Gln	Tyr	Ile	Gly	Glu	Leu	Cys	Arg	Tyr	Leu	Val	Asn	Gln	Pro	Pro	370	375	380
Ser	Lys	Ala	Glu	Arg	Gly	His	Lys	Val	Arg	Leu	Ala	Val	Gly	Ser	Gly	385	390	395
Leu	Arg	Pro	Asp	Thr	Trp	Glu	Arg	Phe	Val	Arg	Arg	Phe	Gly	Pro	Leu			

	405		410		415
Gln Val Leu Glu Thr Tyr Gly Leu Thr Glu Gly Asn Val Pro Pro Ser					
	420		425		430
Thr Thr Gln Asp Ser Gly Ala Leu Trp Gly Val Leu Pro Gly Phe Thr					
	435		440		445
Ser Ile Ser Ser Pro Ser Pro					
	450		455		

<210> 1148
 <211> 153
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (124)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1148

Met	Met	Leu	Ile	Pro	Met	Ala	Ser	Val	Met	Ala	Val	Thr	Glu	Pro	Lys
1				5					10					15	
Trp	Val	Ser	Val	Trp	Ser	Arg	Phe	Leu	Trp	Val	Thr	Leu	Leu	Ser	Met
			20					25					30		
Val	Leu	Gly	Ser	Leu	Leu	Ala	Leu	Leu	Leu	Pro	Leu	Gly	Ala	Val	Glu
		35					40					45			
Glu	Gln	Cys	Leu	Ala	Val	Leu	Lys	Gly	Leu	Tyr	Leu	Leu	Arg	Ser	Lys
	50					55					60				
Pro	Asp	Arg	Ala	Gln	His	Ala	Ala	Pro	Ser	Ala	Pro	Xaa	Arg	Pro	Arg
65					70					75					80
Ser	Xaa	Xaa	Ser	Pro	Xaa	Gly	Ala	Arg	Arg	Xaa	Leu	Val	Ala	Lys	Thr
				85					90					95	
Lys	Ala	Phe	Ser	Ser	Gly	Val	Lys	Phe	Gly	Lys	Ala	Gln	Glu	Leu	Ala
			100					105					110		
Leu	Glu	Pro	Arg	Pro	Trp	Lys	Ile	Lys	Xaa	Ala	Xaa	Gly	Gln	Ser	Arg
		115					120					125			
Gly	Lys	Lys	Ala	Gln	Lys	Ser	Ser	Phe	Asn	Ala	Pro	Pro	Phe	Lys	Glu
	130					135					140				
Trp	Asp	Pro	Gly	Asn	Phe	Pro	Gly	Asp							
145					150										

<210> 1149

<211> 361

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1149

Ala	Xaa	Pro	Xaa	Gly	Lys	Leu	Glu	Ala	Arg	Ala	Ala	Leu	Asn	Gln	Ala		
1				5					10					15			
Leu	Glu	Xaa	Lys	Arg	Gln	Gly	Lys	Arg	Glu	Lys	Ala	Gln	Lys	Leu	Phe		
			20					25					30				
Met	His	Ala	Leu	Lys	Met	Asp	Pro	Asp	Phe	Val	Asp	Ala	Leu	Thr	Glu		
		35					40					45					
Phe	Gly	Ile	Phe	Ser	Glu	Glu	Asp	Lys	Asp	Ile	Ile	Gln	Ala	Asp	Tyr		
	50					55					60						
Leu	Tyr	Thr	Arg	Ala	Leu	Thr	Ile	Ser	Pro	Tyr	His	Glu	Lys	Ala	Leu		
65					70					75					80		
Val	Asn	Arg	Asp	Arg	Thr	Leu	Pro	Leu	Val	Glu	Glu	Ile	Asp	Gln	Arg		
				85					90					95			
Tyr	Phe	Ser	Ile	Ile	Asp	Ser	Lys	Val	Lys	Lys	Val	Met	Ser	Ile	Pro		
			100					105					110				
Lys	Gly	Asn	Ser	Ala	Leu	Arg	Arg	Val	Met	Glu	Glu	Thr	Tyr	Tyr	His		
		115					120					125					
His	Ile	Tyr	His	Thr	Val	Ala	Ile	Glu	Gly	Asn	Thr	Leu	Thr	Leu	Ser		
	130					135					140						
Glu	Ile	Arg	His	Ile	Leu	Glu	Thr	Arg	Tyr	Ala	Val	Pro	Gly	Lys	Ser		
145					150					155					160		
Leu	Glu	Glu	Gln	Asn	Glu	Val	Ile	Gly	Met	His	Ala	Ala	Met	Lys	Tyr		
				165					170					175			
Ile	Asn	Thr	Thr	Leu	Val	Ser	Arg	Ile	Gly	Ser	Val	Thr	Ile	Ser	Asp		
			180					185					190				
Val	Leu	Glu	Ile	His	Arg	Arg	Val	Leu	Gly	Tyr	Val	Asp	Pro	Val	Glu		
		195					200					205					
Ala	Gly	Arg	Phe	Arg	Thr	Thr	Gln	Val	Leu	Val	Gly	His	His	Ile	Pro		
	210					215					220						
Pro	His	Pro	Gln	Asp	Val	Glu	Lys	Gln	Met	Gln	Glu	Phe	Val	Gln	Trp		
225					230					235					240		
Leu	Asn	Ser	Glu	Glu	Ala	Met	Asn	Leu	His	Pro	Val	Glu	Phe	Ala	Ala		
				245					250					255			
Leu	Ala	His	Tyr	Lys	Leu	Val	Tyr	Ile	His	Pro	Phe	Ile	Asp	Gly	Asn		

	260		265		270										
Gly	Arg	Thr	Ser	Arg	Leu	Leu	Met	Asn	Leu	Ile	Leu	Met	Gln	Ala	Gly
	275						280					285			
Tyr	Pro	Pro	Ile	Thr	Ile	Arg	Lys	Glu	Gln	Arg	Ser	Asp	Tyr	Tyr	His
	290					295					300				
Val	Leu	Glu	Ala	Ala	Asn	Glu	Gly	Asp	Val	Arg	Pro	Phe	Ile	Arg	Phe
305					310					315					320
Ile	Ala	Lys	Cys	Thr	Glu	Thr	Thr	Leu	Asp	Thr	Leu	Leu	Phe	Ala	Thr
				325					330					335	
Thr	Glu	Tyr	Ser	Val	Ala	Leu	Pro	Glu	Ala	Gln	Pro	Asn	His	Ser	Gly
			340					345					350		
Phe	Lys	Glu	Thr	Leu	Pro	Val	Lys	Pro							
	355						360								

<210> 1150

<211> 458

<212> PRT

<213> Homo sapiens

<400> 1150

Met	Met	Leu	Ile	Pro	Met	Ala	Ser	Val	Met	Ala	Val	Thr	Glu	Pro	Lys
1				5					10					15	
Trp	Val	Ser	Val	Trp	Ser	Arg	Phe	Leu	Trp	Val	Thr	Leu	Leu	Ser	Met
			20					25					30		
Val	Leu	Gly	Ser	Leu	Leu	Ala	Leu	Leu	Leu	Pro	Leu	Gly	Ala	Val	Glu
		35					40					45			
Glu	Gln	Cys	Leu	Ala	Val	Leu	Lys	Gly	Leu	Tyr	Leu	Leu	Arg	Ser	Lys
	50					55					60				
Pro	Asp	Arg	Ala	Gln	His	Ala	Ala	Thr	Lys	Cys	Thr	Ser	Pro	Ser	Thr
65					70					75					80
Glu	Leu	Ser	Ile	Thr	Ser	Arg	Gly	Ala	Thr	Leu	Leu	Val	Ala	Lys	Thr
				85					90					95	
Lys	Ala	Ser	Pro	Ala	Gly	Lys	Leu	Glu	Ala	Arg	Ala	Ala	Leu	Asn	Gln
			100					105					110		
Ala	Leu	Glu	Met	Lys	Arg	Gln	Gly	Lys	Arg	Glu	Lys	Ala	Gln	Lys	Leu
	115						120					125			

Phe	Met	His	Ala	Leu	Lys	Met	Asp	Pro	Asp	Phe	Val	Asp	Ala	Leu	Thr	130	135	140
Glu	Phe	Gly	Ile	Phe	Ser	Glu	Glu	Asp	Lys	Asp	Ile	Ile	Gln	Ala	Asp	145	150	155
Tyr	Leu	Tyr	Thr	Arg	Ala	Leu	Thr	Ile	Ser	Pro	Tyr	His	Glu	Lys	Ala	165	170	175
Leu	Val	Asn	Arg	Asp	Arg	Thr	Leu	Pro	Leu	Val	Glu	Glu	Ile	Asp	Gln	180	185	190
Arg	Tyr	Phe	Ser	Ile	Ile	Asp	Ser	Lys	Val	Lys	Lys	Val	Met	Ser	Ile	195	200	205
Pro	Lys	Gly	Asn	Ser	Ala	Leu	Arg	Arg	Val	Met	Glu	Glu	Thr	Tyr	Tyr	210	215	220
His	His	Ile	Tyr	His	Thr	Val	Ala	Ile	Glu	Gly	Asn	Thr	Leu	Thr	Leu	225	230	235
Ser	Glu	Ile	Arg	His	Ile	Leu	Glu	Thr	Arg	Tyr	Ala	Val	Pro	Gly	Lys	245	250	255
Ser	Leu	Glu	Glu	Gln	Asn	Glu	Val	Ile	Gly	Met	His	Ala	Ala	Met	Lys	260	265	270
Tyr	Ile	Asn	Thr	Thr	Leu	Val	Ser	Arg	Ile	Gly	Ser	Val	Thr	Ile	Ser	275	280	285
Asp	Val	Leu	Glu	Ile	His	Arg	Arg	Val	Leu	Gly	Tyr	Val	Asp	Pro	Val	290	295	300
Glu	Ala	Gly	Arg	Phe	Arg	Thr	Thr	Gln	Val	Leu	Val	Gly	His	His	Ile	305	310	315
Pro	Pro	His	Pro	Gln	Asp	Val	Glu	Lys	Gln	Met	Gln	Glu	Phe	Val	Gln	325	330	335
Trp	Leu	Asn	Ser	Glu	Glu	Ala	Met	Asn	Leu	His	Pro	Val	Glu	Phe	Ala	340	345	350
Ala	Leu	Ala	His	Tyr	Lys	Leu	Val	Tyr	Ile	His	Pro	Phe	Ile	Asp	Gly	355	360	365
Asn	Gly	Arg	Thr	Ser	Arg	Leu	Leu	Met	Asn	Leu	Ile	Leu	Met	Gln	Ala	370	375	380
Gly	Tyr	Pro	Pro	Ile	Thr	Ile	Arg	Lys	Glu	Gln	Arg	Ser	Asp	Tyr	Tyr	385	390	395
His	Val	Leu	Glu	Ala	Ala	Asn	Glu	Gly	Asp	Val	Arg	Pro	Phe	Ile	Arg			

	405		410		415
Phe Ile Ala Lys Cys Thr Glu Thr Thr Leu Asp Thr Leu Leu Phe Ala					
	420		425		430
Thr Thr Glu Tyr Ser Val Ala Leu Pro Glu Ala Gln Pro Asn His Ser					
	435		440		445
Gly Phe Lys Glu Thr Leu Pro Val Lys Pro					
	450		455		

<210> 1151
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1151
Ala Gln Arg Asn Pro Gly Ala Val Pro Ala Val Trp Arg Gln Ala Gly
1 5 10 15
Val Thr Phe Thr Ser Ala Lys Gly Arg Ser Ser Pro Tyr Trp Ser Leu
20 25 30
His Pro Gln Ile Ile Leu Leu Arg Lys Leu Ser Ser Ser Xaa Gln Lys
35 40 45
Pro Arg Ser Ser Ser Ala Gln Cys Gly Arg Asn Ala Ala Ala Gly Leu
50 55 60
Pro His Cys Leu Arg Ala Ser Trp Ser Arg Leu Leu Lys Ile Glu Trp
65 70 75 80
Gln Val Gly Leu Ala Trp Ala Gly Ala Asp Val Leu Cys Gly His Pro
85 90 95
Val Pro Lys Arg Pro Pro Thr Leu Gly Pro Gln Thr Ser Gly Ala Asp
100 105 110
Trp His Leu Arg Gly His Ser Pro Thr His Leu Leu Gln
115 120 125

<210> 1152
 <211> 17

<212> PRT
<213> Homo sapiens

<400> 1152
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1153
<211> 17
<212> PRT
<213> Homo sapiens

<400> 1153
Met Leu Ser Gly Ser Leu Gly Ser Ala Val Cys Met Ser Ser Gln Pro
1 5 10 15

Arg

<210> 1154
<211> 254
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (228)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (240)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1154
Glu Thr Arg Leu His His Val Ser Thr Leu Ala Ala Phe Thr Val Arg
1 5 10 15

Gln Val Gln Gln His Gln Gly Asn Leu Asp Ala Ser Gly Pro Ala Arg
20 25 30

1		5		10		15											
Leu	Leu	Leu	Thr	Leu	Ala	Leu	Ser	Gly	Thr	Arg	Ala	Arg	Gly	His	Leu		
			20					25					30				
Pro	Pro	Gly	Pro	Thr	Pro	Leu	Pro	Leu	Leu	Gly	Asn	Leu	Leu	Gln	Leu		
		35					40					45					
Arg	Pro	Gly	Ala	Leu	Tyr	Ser	Gly	Leu	Met	Arg	Leu	Ser	Lys	Lys	Tyr		
	50					55					60						
Gly	Pro	Val	Phe	Thr	Ile	Tyr	Leu	Gly	Pro	Trp	Arg	Pro	Val	Val	Val		
65					70					75					80		
Leu	Val	Gly	Gln	Glu	Ala	Val	Arg	Glu	Ala	Leu	Gly	Gly	Gln	Ala	Glu		
				85					90					95			
Glu	Phe	Ser	Gly	Arg	Gly	Thr	Val	Ala	Met	Leu	Glu	Gly	Thr	Phe	Asp		
			100					105					110				
Gly	His	Gly	Val	Phe	Phe	Ser	Asn	Gly	Glu	Arg	Trp	Arg	Gln	Leu	Arg		
		115					120					125					
Lys	Phe	Thr	Met	Leu	Ala	Leu	Arg	Asp	Leu	Gly	Met	Gly	Lys	Arg	Glu		
	130					135					140						
Gly	Glu	Glu	Leu	Ile	Gln	Ala	Glu	Ala	Arg	Cys	Leu	Val	Glu	Thr	Phe		
145					150					155					160		
Gln	Gly	Thr	Glu	Gly	Arg	Pro	Phe	Asp	Pro	Ser	Leu	Leu	Leu	Ala	Gln		
				165					170					175			
Ala	Thr	Ser	Asn	Val	Val	Cys	Ser	Leu	Leu	Phe	Gly	Leu	Arg	Phe	Ser		
			180					185					190				
Tyr	Glu	Asp	Lys	Glu	Phe	Gln	Ala	Val	Val	Arg	Ala	Ala	Gly	Gly	Thr		
		195					200					205					
Leu	Leu	Gly	Val	Ser	Ser	Gln	Gly	Gly	Gln	Val	Ser	Gly	Trp	Asp	Pro		
	210					215					220						
Ser	Pro	Thr	Thr	Phe	Pro	Glu	Gly	Ser	Cys	Gln	Gly	Pro	Met	Arg	Thr		
225					230					235					240		
Ser	Cys	Pro	Ser	Pro	His	Arg	Pro	Thr	Arg	Cys	Ser	Pro	Gly	Ser	Cys		
				245					250					255			
Gly	Pro	Cys	Gln	Ala	Pro	Thr	Ser	Ser	Ser	Ser	Thr	Thr	Ser	Ala	Pro		
			260					265					270				
Trp	Leu	Pro	Ser	Gln	Ser	Gly	Arg	Cys	Ser	Ser	Thr	Arg	Gly	Thr	Trp		
	275						280					285					

Met Leu Arg Ala Pro His Val Thr Leu Ser Met Pro Ser Cys
 290 295 300

<210> 1156
 <211> 302
 <212> PRT
 <213> Homo sapiens

<400> 1156

Met Glu Ala Thr Gly Thr Trp Ala Leu Leu Leu Ala Leu Ala Leu Leu
 1 5 10 15
 Leu Leu Leu Thr Leu Ala Leu Ser Gly Thr Arg Ala Arg Gly His Leu
 20 25 30
 Pro Pro Gly Pro Thr Pro Leu Pro Leu Leu Gly Asn Leu Leu Gln Leu
 35 40 45
 Arg Pro Gly Ala Leu Tyr Ser Gly Leu Met Arg Leu Ser Lys Lys Tyr
 50 55 60
 Gly Pro Val Phe Thr Ile Tyr Leu Gly Pro Trp Arg Pro Val Val Val
 65 70 75 80
 Leu Val Gly Gln Glu Ala Val Arg Glu Ala Leu Gly Gly Gln Ala Glu
 85 90 95
 Glu Phe Ser Gly Arg Gly Thr Val Ala Met Leu Glu Gly Thr Phe Asp
 100 105 110
 Gly His Gly Val Phe Phe Ser Asn Gly Glu Arg Trp Arg Gln Leu Arg
 115 120 125
 Lys Phe Thr Met Leu Ala Leu Arg Asp Leu Gly Met Gly Lys Arg Glu
 130 135 140
 Gly Glu Glu Leu Ile Gln Ala Glu Ala Arg Cys Leu Val Glu Thr Phe
 145 150 155 160
 Gln Gly Thr Glu Gly Arg Pro Phe Asp Pro Ser Leu Leu Leu Ala Gln
 165 170 175
 Ala Thr Ser Asn Val Val Cys Ser Leu Leu Phe Gly Leu Arg Phe Ser
 180 185 190
 Tyr Glu Asp Lys Glu Phe Gln Ala Val Val Arg Ala Ala Gly Gly Thr
 195 200 205
 Leu Leu Gly Val Ser Ser Gln Gly Gly Gln Val Ser Gly Trp Asp Pro

210		215		220
Ser Pro Thr Thr Phe Pro Glu Gly Ser Cys Gln Gly Pro Met Arg Thr				
225		230		240
Ser Cys Pro Ser Pro His Arg Pro Thr Arg Cys Ser Pro Gly Ser Cys				
	245		250	255
Gly Pro Cys Gln Ala Pro Thr Ser Ser Ser Ser Thr Thr Ser Ala Pro				
	260		265	270
Trp Leu Pro Ser Gln Ser Gly Arg Cys Ser Ser Thr Arg Gly Thr Trp				
	275		280	285
Met Leu Arg Ala Pro His Val Thr Leu Ser Met Pro Ser Cys				
	290		295	300

<210> 1157
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1157
Met Thr Ala Pro Val Pro Ala Pro Arg Ile Leu Leu Pro Leu Leu Leu
1 5 10 15
Leu Leu Leu Leu Thr Pro Pro Pro Gly Ala Arg Gly Glu Val Cys Met
20 25 30
Ala Ser Arg Gly Leu Ser Leu Phe Pro Glu Ser Cys Pro Asp Phe Cys
35 40 45
Cys Gly Thr Cys Asp Asp Gln Tyr Cys Cys Ser Asp Val Leu Lys Lys
50 55 60
Phe Val Trp Ser Glu Glu Arg Cys Ala Val Pro Glu Ala Ser Val Pro
65 70 75 80
Ala Ser Val Glu Pro Val Glu Gln Leu Gly Ser Ala Leu Arg Phe Arg
85 90 95
Pro Gly Tyr Asn Asp Pro Met Ser Gly Phe Gly Ala Thr Leu Ala Val
100 105 110
Gly Leu Thr Ile Phe Val Leu Ser Val Val Thr Ile Ile Ile Cys Phe
115 120 125
Thr Cys Ser Cys Cys Cys Leu Tyr Lys Thr Cys Arg Arg Pro Arg Pro
130 135 140

Val	Val	Thr	Thr	Thr	Thr	Ser	Thr	Thr	Val	Val	His	Ala	Pro	Tyr	Pro
145					150				155						160
Gln	Pro	Pro	Ser	Val	Pro	Pro	Ser	Tyr	Pro	Gly	Pro	Ser	Tyr	Gln	Gly
				165					170					175	
Tyr	His	Thr	Met	Pro	Pro	Gln	Pro	Gly	Met	Pro	Ala	Ala	Pro	Tyr	Pro
			180					185					190		
Met	Gln	Tyr	Pro	Pro	Pro	Tyr	Pro	Ala	Gln	Pro	Met	Gly	Pro	Pro	Ala
		195					200					205			
Tyr	His	Glu	Thr	Leu	Ala	Gly	Gly	Ala	Ala	Ala	Pro	Tyr	Pro	Ala	Ser
	210					215					220				
Gln	Pro	Pro	Tyr	Asn	Pro	Ala	Tyr	Met	Asp	Ala	Pro	Lys	Ala	Ala	Leu
225					230					235					240

<210> 1158
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1158															
Met	Thr	Ala	Pro	Val	Pro	Ala	Pro	Arg	Ile	Leu	Leu	Pro	Leu	Leu	Leu
1				5					10				15		
Leu	Leu	Leu	Leu	Thr	Pro	Pro	Pro	Gly	Ala	Arg	Gly	Glu	Val	Cys	Met
			20					25					30		
Ala	Ser	Arg	Gly	Leu	Ser	Leu	Phe	Pro	Glu	Ser	Cys	Pro	Asp	Phe	Cys
		35					40					45			
Cys	Gly	Thr	Cys	Asp	Asp	Gln	Tyr	Cys	Cys	Ser	Asp	Val	Leu	Lys	Lys
	50					55					60				
Phe	Val	Trp	Ser	Glu	Glu	Arg	Cys	Ala	Val	Pro	Glu	Ala	Ser	Val	Pro
65					70					75					80
Ala	Ser	Val	Glu	Pro	Val	Glu	Gln	Leu	Gly	Ser	Ala	Leu	Arg	Phe	Arg
				85					90					95	
Pro	Gly	Tyr	Asn	Asp	Pro	Met	Ser	Gly	Phe	Gly	Ala	Thr	Leu	Ala	Val
			100					105					110		
Gly	Leu	Thr	Ile	Phe	Val	Leu	Ser	Val	Val	Thr	Ile	Ile	Ile	Cys	Phe
			115				120					125			

Thr	Cys	Ser	Cys	Cys	Cys	Leu	Tyr	Lys	Thr	Cys	Arg	Arg	Pro	Arg	Pro
130						135					140				
Val	Val	Thr	Thr	Thr	Thr	Ser	Thr	Thr	Val	Val	His	Ala	Pro	Tyr	Pro
145					150					155					160
Gln	Pro	Pro	Ser	Val	Pro	Pro	Ser	Tyr	Pro	Gly	Pro	Ser	Tyr	Gln	Gly
				165					170					175	
Tyr	His	Thr	Met	Pro	Pro	Gln	Pro	Gly	Met	Pro	Ala	Ala	Pro	Tyr	Pro
			180					185					190		
Met	Gln	Tyr	Pro	Pro	Pro	Tyr	Pro	Ala	Gln	Pro	Met	Gly	Pro	Pro	Ala
		195					200					205			
Tyr	His	Glu	Thr	Leu	Ala	Gly	Gly	Ala	Ala	Ala	Pro	Tyr	Pro	Ala	Ser
	210					215					220				
Gln	Pro	Pro	Tyr	Asn	Pro	Ala	Tyr	Met	Asp	Ala	Pro	Lys	Ala	Ala	Leu
225					230					235					240

<210> 1159
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 1159

Met	Lys	Gly	Leu	Arg	Ser	Leu	Ala	Ala	Thr	Thr	Leu	Ala	Leu	Phe	Leu
1				5					10					15	
Val	Phe	Val	Phe	Leu	Gly	Asn	Ser	Ser	Cys	Ala	Pro	Gln	Arg	Leu	Leu
			20					25					30		
Glu	Arg	Arg	Asn	Trp	Thr	Pro	Gln	Ala	Met	Leu	Tyr	Leu	Lys	Gly	Ala
		35					40					45			
Gln	Gly	Arg	Arg	Phe	Ile	Ser	Asp	Gln	Ser	Arg	Arg	Lys	Asp	Leu	Ser
	50					55					60				
Asp	Arg	Pro	Leu	Pro	Glu	Arg	Arg	Ser	Pro	Asn	Pro	Gln	Leu	Leu	Thr
65					70					75					80
Ile	Pro	Glu	Ala	Ala	Thr	Ile	Leu	Leu	Ala	Ser	Leu	Gln	Lys	Ser	Pro
				85					90					95	
Glu	Asp	Glu	Glu	Lys	Asn	Phe	Asp	Gln	Thr	Arg	Phe	Leu	Glu	Asp	Ser

115					120					125					
Ser	Pro	Ala	Ser	Gly	Phe	Ser	Pro	Ser	Val	Gln	Cys	Pro	Asn	Asp	Gly
	130					135					140				
Phe	Gly	Val	Tyr	Ser	Asn	Ser	Tyr	Gly	Pro	Glu	Phe	Ala	His	Cys	Arg
145					150					155					160
Glu	Ile	Gln	Trp	Asn	Ser	Leu	Gly	Asn	Gly	Leu	Ala	Tyr	Glu	Asp	Phe
				165					170					175	
Ser	Phe	Pro	Ile	Phe	Leu	Leu	Glu	Asp	Glu	Asn	Glu	Thr	Lys	Val	Ile
			180					185					190		
Lys	Gln	Cys	Tyr	Gln	Asp	His	Asn	Leu	Ser	Gln	Asn	Gly	Ser	Ala	Pro
		195					200					205			
Thr	Phe	Pro	Leu	Cys	Ala	Met	Gln	Leu	Phe	Ser	His	Met	His	Ala	Val
	210					215					220				
Ile	Ser	Thr	Ala	Thr	Cys	Met	Arg	Arg	Ser	Ser	Ile	Gln	Ser	Thr	Phe
225					230					235					240
Ser	Ile	Asn	Pro	Glu	Ile	Val	Cys	Asp	Pro	Leu	Ser	Asp	Tyr	Asn	Val
				245					250					255	
Trp	Ser	Met	Leu	Lys	Pro	Ile	Asn	Thr	Thr	Gly	Thr	Leu	Lys	Pro	Asp
			260					265					270		
Asp	Arg	Val	Val	Val	Ala	Ala	Thr	Arg	Leu	Asp	Ser	Arg	Ser	Phe	Phe
		275					280					285			
Trp	Asn	Val	Ala	Pro	Gly	Ala	Glu	Ser	Ala	Val	Ala	Ser	Phe	Val	Thr
	290					295					300				
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Leu	Gln	Lys	Ala	Pro	Asp	Val	Thr	Thr
305					310					315					320
Leu	Pro	Arg	Asn	Val	Met	Phe	Val	Phe	Phe	Gln	Gly	Glu	Thr	Phe	Asp
				325					330					335	
Tyr	Ile	Gly	Ser	Ser	Arg	Met	Val	Tyr	Asp	Met	Glu	Lys	Gly	Lys	Phe
			340					345					350		
Pro	Val	Gln	Leu	Glu	Asn	Val	Asp	Ser	Phe	Val	Glu	Leu	Gly	Gln	Val
		355					360					365			
Ala	Leu	Arg	Thr	Ser	Leu	Glu	Leu	Trp	Met	His	Thr	Asp	Pro	Val	Ser
	370					375					380				
Gln	Lys	Asn	Glu	Ser	Val	Arg	Asn	Gln	Val	Glu	Asp	Leu	Leu	Ala	Thr
385					390					395					400

Leu Glu Thr Val Ser Tyr Ala His Leu Asn Leu Gln Gly Gly Glu Val
 405 410 415

Leu

<210> 1163

<211> 709

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (216)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1163

Met Ala Thr Ala Gly Gly Gly Ser Gly Ala Asp Pro Gly Ser Arg Gly
 1 5 10 15

Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
 20 25 30

Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala
 35 40 45

Pro Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser
 50 55 60

Ser Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu
 65 70 75 80

Asp Leu Gln Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val
 85 90 95

Leu Leu Glu Ser Lys His Phe Thr Arg Asp Leu Met Glu Lys Leu Lys
 100 105 110

Gly Arg Thr Ser Arg Ile Ala Gly Leu Ala Val Ser Leu Thr Lys Pro
 115 120 125

Ser Pro Ala Ser Gly Phe Ser Pro Ser Val Gln Cys Pro Asn Asp Gly
 130 135 140

Phe Gly Val Tyr Ser Asn Ser Tyr Gly Pro Glu Phe Ala His Cys Arg
 145 150 155 160

Glu Ile Gln Trp Asn Ser Leu Gly Asn Gly Leu Ala Tyr Glu Asp Phe
 165 170 175

Ser Phe Pro Ile Phe Leu Leu Glu Asp Glu Asn Glu Thr Lys Val Ile
 180 185 190
 Lys Gln Cys Tyr Gln Asp His Asn Leu Ser Gln Asn Gly Ser Ala Pro
 195 200 205
 Ser Phe Pro Leu Cys Ala Met Xaa Leu Phe Ser His Met His Ala Val
 210 215 220
 Ile Ser Thr Ala Thr Cys Met Arg Arg Ser Ser Ile Gln Ser Thr Phe
 225 230 235 240
 Ser Ile Asn Pro Glu Ile Val Cys Asp Pro Leu Ser Asp Tyr Asn Val
 245 250 255
 Trp Ser Met Leu Lys Pro Ile Asn Thr Thr Gly Thr Leu Lys Pro Asp
 260 265 270
 Asp Arg Val Val Val Ala Ala Thr Arg Leu Asp Ser Arg Ser Phe Phe
 275 280 285
 Trp Asn Val Ala Pro Gly Ala Glu Ser Ala Val Ala Ser Phe Val Thr
 290 295 300
 Gln Leu Ala Ala Ala Glu Ala Leu Gln Lys Ala Pro Asp Val Thr Thr
 305 310 315 320
 Leu Pro Arg Asn Val Met Phe Val Phe Phe Gln Gly Glu Thr Phe Asp
 325 330 335
 Tyr Ile Gly Ser Ser Arg Met Val Tyr Asp Met Glu Lys Gly Lys Phe
 340 345 350
 Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val Glu Leu Gly Gln Val
 355 360 365
 Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His Thr Asp Pro Val Ser
 370 375 380
 Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu Asp Leu Leu Ala Thr
 385 390 395 400
 Leu Glu Lys Ser Gly Ala Gly Val Pro Ala Val Ile Leu Arg Arg Pro
 405 410 415
 Asn Gln Ser Gln Pro Leu Pro Pro Ser Ser Leu Gln Arg Phe Leu Arg
 420 425 430
 Ala Arg Asn Ile Ser Gly Val Val Leu Ala Asp His Ser Gly Ala Phe
 435 440 445

His	Asn	Lys	Tyr	Tyr	Gln	Ser	Ile	Tyr	Asp	Thr	Ala	Glu	Asn	Ile	Asn	
450						455					460					
Val	Ser	Tyr	Pro	Glu	Trp	Leu	Ser	Pro	Glu	Glu	Asp	Leu	Asn	Phe	Val	
465					470					475					480	
Thr	Asp	Thr	Ala	Lys	Ala	Leu	Ala	Asp	Val	Ala	Thr	Val	Leu	Gly	Arg	
				485					490					495		
Ala	Leu	Tyr	Glu	Leu	Ala	Gly	Gly	Thr	Asn	Phe	Ser	Asp	Thr	Val	Gln	
			500					505					510			
Ala	Asp	Pro	Gln	Thr	Val	Thr	Arg	Leu	Leu	Tyr	Gly	Phe	Leu	Ile	Lys	
		515					520					525				
Ala	Asn	Asn	Ser	Trp	Phe	Gln	Ser	Ile	Leu	Arg	Gln	Asp	Leu	Arg	Ser	
	530					535					540					
Tyr	Leu	Gly	Asp	Gly	Pro	Leu	Gln	His	Tyr	Ile	Ala	Val	Ser	Ser	Pro	
545					550					555					560	
Thr	Asn	Thr	Thr	Tyr	Val	Val	Gln	Tyr	Ala	Leu	Ala	Asn	Leu	Thr	Gly	
				565					570					575		
Thr	Val	Val	Asn	Leu	Thr	Arg	Glu	Gln	Cys	Gln	Asp	Pro	Ser	Lys	Val	
			580					585					590			
Pro	Ser	Glu	Asn	Lys	Asp	Leu	Tyr	Glu	Tyr	Ser	Trp	Val	Gln	Gly	Pro	
		595					600					605				
Leu	His	Ser	Asn	Glu	Thr	Asp	Arg	Leu	Pro	Arg	Cys	Val	Arg	Ser	Thr	
	610					615					620					
Ala	Arg	Leu	Ala	Arg	Ala	Leu	Ser	Pro	Ala	Phe	Glu	Leu	Ser	Gln	Trp	
625					630					635					640	
Ser	Ser	Thr	Glu	Tyr	Ser	Thr	Trp	Thr	Glu	Ser	Arg	Trp	Lys	Asp	Ile	
				645					650					655		
Arg	Ala	Arg	Ile	Phe	Leu	Ile	Ala	Ser	Lys	Glu	Leu	Glu	Leu	Ile	Thr	
			660					665					670			
Leu	Thr	Val	Gly	Phe	Gly	Ile	Leu	Ile	Phe	Ser	Leu	Ile	Val	Thr	Tyr	
		675					680					685				
Cys	Ile	Asn	Ala	Lys	Ala	Asp	Val	Leu	Phe	Ile	Ala	Pro	Arg	Glu	Pro	
	690					695					700					
Gly	Ala	Val	Ser	Tyr												
705																

<210> 1164

<211> 230

<212> PRT

<213> Homo sapiens

<400> 1164

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys Leu His Arg Thr Leu Thr Ser Trp Leu Arg Val Arg Phe Gly Thr
20 25 30

Trp Asn Trp Ile Trp Arg Arg Cys Cys Arg Ala Ala Ser Ala Ala Val
35 40 45

Leu Ala Pro Leu Gly Phe Thr Leu Arg Lys Pro Pro Ala Val Gly Arg
50 55 60

Asn Arg Arg His His Arg His Pro Arg Gly Gly Ser Cys Leu Ala Ala
65 70 75 80

Ala His His Arg Met Arg Trp Arg Ala Asp Gly Arg Ser Leu Glu Lys
85 90 95

Leu Pro Val His Met Gly Leu Val Ile Thr Glu Val Glu Gln Glu Pro
100 105 110

Ser Phe Ser Asp Ile Ala Ser Leu Val Val Trp Cys Met Ala Val Gly
115 120 125

Ile Ser Tyr Ile Ser Val Tyr Asp His Gln Gly Ile Phe Lys Arg Asn
130 135 140

Asn Ser Arg Leu Met Asp Glu Ile Leu Lys Gln Gln Gln Glu Leu Leu
145 150 155 160

Gly Leu Asp Cys Ser Lys Tyr Ser Pro Glu Phe Ala Asn Ser Asn Asp
165 170 175

Lys Asp Asp Gln Val Leu Asn Cys His Leu Ala Val Lys Val Leu Ser
180 185 190

Ala Gly Arg Trp Lys Ser Arg Tyr Cys Lys Ser Cys Ser Gly Leu Leu
195 200 205

Pro Val Ser Ser Pro Glu Ala Lys Glu Thr His Arg Phe Gly Cys Arg
210 215 220

Tyr Val Ser Gln Phe Thr
225 230

<210> 1165

<211> 293

<212> PRT

<213> Homo sapiens

<400> 1165

Met Thr Gly Leu Tyr Glu Leu Val Trp Arg Val Leu His Ala Leu Leu
1 5 10 15

Cys Leu His Arg Thr Leu Thr Ser Trp Leu Arg Val Arg Phe Gly Thr
20 25 30

Trp Asn Trp Ile Trp Arg Arg Cys Cys Arg Ala Ala Ser Ala Ala Val
35 40 45

Leu Ala Pro Leu Gly Phe Thr Leu Arg Lys Pro Pro Ala Val Gly Arg
50 55 60

Asn Arg Arg His His Arg His Pro Arg Gly Gly Ser Cys Leu Ala Ala
65 70 75 80

Ala His His Arg Met Arg Trp Arg Ala Asp Gly Arg Ser Leu Glu Lys
85 90 95

Leu Pro Val His Met Gly Leu Val Ile Thr Glu Val Glu Gln Glu Pro
100 105 110

Ser Phe Ser Asp Ile Ala Ser Leu Val Val Trp Cys Met Ala Val Gly
115 120 125

Ile Ser Tyr Ile Ser Val Tyr Asp His Gln Gly Ile Phe Lys Arg Asn
130 135 140

Asn Ser Arg Leu Met Asp Glu Ile Leu Lys Gln Gln Gln Glu Leu Leu
145 150 155 160

Gly Leu Asp Cys Ser Lys Tyr Ser Pro Glu Phe Ala Asn Ser Asn Asp
165 170 175

Lys Asp Asp Gln Val Leu Asn Cys His Leu Ala Val Lys Val Leu Ser
180 185 190

Pro Glu Asp Gly Lys Ala Asp Ile Val Arg Ala Ala Gln Asp Phe Cys
195 200 205

Gln Leu Val Ala Gln Lys Gln Lys Arg Pro Thr Asp Leu Asp Val Asp
210 215 220

Thr Leu Ala Ser Leu Leu Ser Ser Asn Gly Cys Pro Asp Pro Asp Leu
225 230 235 240

Val Leu Lys Phe Gly Pro Val Asp Ser Thr Leu Gly Phe Leu Pro Trp
 245 250 255
 His Ile Arg Leu Thr Glu Ile Val Ser Leu Pro Ser His Leu Asn Ile
 260 265 270
 Ser Tyr Glu Asp Phe Phe Ser Ala Leu Arg Gln Tyr Ala Ala Cys Glu
 275 280 285
 Gln Arg Leu Gly Lys
 290

<210> 1166

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (128)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1166

Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu

1	5	10	15
Leu Ile Thr Val	Leu Leu Val	Leu Ser Gly Ile Phe	Ser Gly Leu Asn
20		25	30
Leu Gly Leu Met	Ala Leu Asp	Pro Met Glu Leu Arg	Ile Val Gln Asn
35		40	45
Cys Gly Thr Glu	Lys Glu Arg	Arg Tyr Ala Arg	Lys Ile Glu Pro Ile
50		55	60
Arg Arg Lys Gly	Asn Tyr Leu Leu	Cys Ser Leu Leu	Leu Gly Asn Val
65		70	75
Leu Val Asn Thr	Xaa Leu Thr	Ile Leu Leu Asp	Asn Leu Ile Gly Ser
	85	90	95
Gly Leu Met	Ala Val Ala	Ser Ser Thr Ile	Gly Ile Val Ile Phe Gly
100		105	110
Glu Ile Leu Pro	Gln Ala Leu	Cys Ser Arg His	Gly Leu Ala Val Xaa
115		120	125
Ala Asn Thr Ile	Leu Leu Thr	Lys Phe Phe Met	Leu Leu Thr Phe Pro
130		135	140
Leu Xaa Phe Pro	Ile Ser Lys Leu	Leu Asp Phe Phe	Leu Gly Gln Xaa
145		150	155
Ile Arg Thr Val	Tyr Asn Arg	Xaa Lys Leu Met	Xaa Met
	165	170	

<210> 1167

<211> 173

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (160)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (168)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1167

Met	Val	Glu	Glu	Pro	Gly	Arg	Phe	Leu	Pro	Leu	Trp	Leu	His	Ile	Leu
1				5				10						15	

Leu	Ile	Thr	Val	Leu	Leu	Val	Leu	Ser	Gly	Ile	Phe	Ser	Gly	Leu	Asn
			20					25					30		

Leu	Gly	Leu	Met	Ala	Leu	Asp	Pro	Met	Glu	Leu	Arg	Ile	Val	Gln	Asn
			35				40					45			

Cys	Gly	Thr	Glu	Lys	Glu	Arg	Arg	Tyr	Ala	Arg	Lys	Ile	Glu	Pro	Ile
			50			55					60				

Arg	Arg	Lys	Gly	Asn	Tyr	Leu	Leu	Cys	Ser	Leu	Leu	Leu	Gly	Asn	Val
65					70					75					80

Leu	Val	Asn	Thr	Ser	Leu	Thr	Ile	Leu	Leu	Asp	Asn	Leu	Ile	Gly	Ser
				85					90					95	

Gly	Leu	Met	Ala	Val	Ala	Ser	Ser	Thr	Ile	Gly	Ile	Val	Ile	Phe	Gly
			100					105					110		

Glu	Ile	Leu	Pro	Gln	Ala	Leu	Cys	Ser	Arg	His	Gly	Leu	Ala	Val	Gly
		115					120					125			

Ala	Asn	Thr	Ile	Leu	Leu	Thr	Lys	Phe	Phe	Met	Leu	Leu	Thr	Phe	Pro
	130					135					140				

Leu	Xaa	Phe	Pro	Ile	Ser	Lys	Leu	Leu	Asp	Phe	Phe	Leu	Gly	Gln	Xaa
145					150					155					160

Ile	Arg	Thr	Val	Tyr	Asn	Arg	Xaa	Lys	Leu	Met	Xaa	Met
				165					170			

<210> 1168

<211> 314

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1168

Glu	Lys	Ala	Ala	Gly	Ala	Gly	Lys	Ser	His	Leu	Ala	Ile	Val	Gln	Lys	
1				5				10						15		
Val	Asn	Asn	Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu	Gly	Leu	
			20				25						30			
Val	Thr	Leu	Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu	Ile	Leu	
		35					40					45				
Asp	Glu	Ser	Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg	Val	Ser	
	50					55					60					
Glu	Lys	Asn	Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp	Asn	Glu	
65					70					75					80	
Leu	Lys	Val	Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Xaa	His	Arg	Phe	
				85					90					95		
Leu	Ala	Thr	Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser	Glu	Lys	
			100					105					110			
Ile	Leu	Leu	Arg	Leu	Leu	Lys	Tyr	Pro	Asp	Val	Ile	Gln	Glu	Leu	Lys	
		115					120					125				
Phe	Asp	Glu	His	Asn	Lys	Tyr	Tyr	Ala	Arg	His	Tyr	Leu	Tyr	Thr	Arg	
	130					135					140					
Asn	Lys	Pro	Ala	Asp	Tyr	Phe	Ile	Leu	Ile	Leu	Gln	Gly	Lys	Val	Glu	
145					150					155					160	
Val	Glu	Ala	Gly	Lys	Glu	Asn	Met	Lys	Phe	Glu	Thr	Gly	Ala	Phe	Ser	
				165					170					175		
Tyr	Tyr	Gly	Thr	Met	Ala	Leu	Thr	Ser	Val	Pro	Ser	Asp	Arg	Ser	Pro	
			180					185					190			
Ala	His	Pro	Thr	Pro	Leu	Ser	Arg	Ser	Ala	Ser	Leu	Ser	Tyr	Pro	Asp	
		195					200					205				
Arg	Thr	Asp	Val	Ser	Thr	Ala	Ala	Thr	Leu	Ala	Gly	Ser	Ser	Asn	Gln	
	210					215					220					
Phe	Gly	Ser	Ser	Val	Leu	Gly	Gln	Tyr	Ile	Ser	Asp	Phe	Ser	Val	Arg	
225					230					235					240	
Ala	Leu	Val	Asp	Leu	Gln	Tyr	Ile	Lys	Ile	Thr	Arg	Gln	Gln	Tyr	Gln	
				245					250					255		
Asn	Gly	Leu	Leu	Ala	Ser	Arg	Met	Glu	Asn	Ser	Pro	Gln	Phe	Pro	Ile	
			260					265					270			

Asp Gly Cys Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser Glu Leu
 275 280 285

Pro Val Val Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn Ser Leu
 290 295 300

Leu His Lys Ala Ser His Glu Asn Ala Ile
 305 310

<210> 1169

<211> 604

<212> PRT

<213> Homo sapiens

<400> 1169

Met Val Glu Glu Pro Gly Arg Phe Leu Pro Leu Trp Leu His Ile Leu
 1 5 10 15

Leu Ile Thr Val Leu Leu Val Leu Ser Gly Ile Phe Ser Gly Leu Asn
 20 25 30

Leu Gly Leu Met Ala Leu Asp Pro Met Glu Leu Arg Ile Val Gln Asn
 35 40 45

Cys Gly Thr Glu Lys Glu Arg Arg Tyr Ala Arg Lys Ile Glu Pro Ile
 50 55 60

Arg Arg Lys Gly Asn Tyr Leu Leu Cys Ser Leu Leu Leu Gly Asn Val
 65 70 75 80

Leu Val Asn Thr Ser Leu Thr Ile Leu Leu Asp Asn Leu Ile Gly Ser
 85 90 95

Gly Leu Met Ala Val Ala Ser Ser Thr Ile Gly Ile Val Ile Phe Gly
 100 105 110

Glu Ile Leu Pro Gln Ala Leu Cys Ser Arg His Gly Leu Ala Val Gly
 115 120 125

Ala Asn Thr Ile Leu Leu Thr Lys Phe Phe Met Leu Leu Thr Phe Pro
 130 135 140

Leu Ser Phe Pro Ile Ser Lys Leu Leu Asp Phe Phe Leu Gly Gln Glu
 145 150 155 160

Ile Arg Thr Val Tyr Asn Arg Glu Lys Leu Met Glu Met Leu Lys Val
 165 170 175

Thr Glu Pro Tyr Asn Asp Leu Val Lys Glu Glu Leu Asn Met Ile Gln

180					185					190					
Gly	Ala	Leu	Glu	Leu	Arg	Thr	Lys	Thr	Val	Glu	Asp	Ile	Met	Thr	Gln
	195						200					205			
Leu	Gln	Asp	Cys	Phe	Met	Ile	Arg	Ser	Asp	Ala	Ile	Leu	Asp	Phe	Asn
	210					215					220				
Thr	Met	Ser	Glu	Ile	Met	Glu	Ser	Gly	Tyr	Thr	Arg	Ile	Pro	Val	Phe
225					230					235					240
Glu	Asp	Glu	Gln	Ser	Asn	Ile	Val	Asp	Ile	Leu	Tyr	Val	Lys	Asp	Leu
				245					250					255	
Ala	Phe	Val	Asp	Pro	Asp	Asp	Cys	Thr	Pro	Leu	Lys	Thr	Ile	Thr	Arg
			260					265					270		
Phe	Tyr	Asn	His	Pro	Val	His	Phe	Val	Phe	His	Asp	Thr	Lys	Leu	Asp
		275					280					285			
Ala	Met	Leu	Glu	Glu	Phe	Lys	Lys	Gly	Lys	Ser	His	Leu	Ala	Ile	Val
	290					295					300				
Gln	Lys	Val	Asn	Asn	Glu	Gly	Glu	Gly	Asp	Pro	Phe	Tyr	Glu	Val	Leu
305					310					315					320
Gly	Leu	Val	Thr	Leu	Glu	Asp	Val	Ile	Glu	Glu	Ile	Ile	Lys	Ser	Glu
				325					330					335	
Ile	Leu	Asp	Glu	Ser	Asp	Met	Tyr	Thr	Asp	Asn	Arg	Ser	Arg	Lys	Arg
			340						345				350		
Val	Ser	Glu	Lys	Asn	Lys	Arg	Asp	Phe	Ser	Ala	Phe	Lys	Asp	Ala	Asp
		355					360					365			
Asn	Glu	Leu	Lys	Val	Lys	Ile	Ser	Pro	Gln	Leu	Leu	Leu	Ala	Ala	His
	370					375					380				
Arg	Phe	Leu	Ala	Thr	Glu	Val	Ser	Gln	Phe	Ser	Pro	Ser	Leu	Ile	Ser
385					390					395					400
Glu	Lys	Ile	Leu	Leu	Arg	Leu	Leu	Lys	Tyr	Pro	Asp	Val	Ile	Gln	Glu
				405					410					415	
Leu	Lys	Phe	Asp	Glu	His	Asn	Lys	Tyr	Tyr	Ala	Arg	His	Tyr	Leu	Tyr
			420					425					430		
Thr	Arg	Asn	Lys	Pro	Ala	Asp	Tyr	Phe	Ile	Leu	Ile	Leu	Gln	Gly	Lys
		435					440					445			
Val	Glu	Val	Glu	Ala	Gly	Lys	Glu	Asn	Met	Lys	Phe	Glu	Thr	Gly	Ala
	450					455					460				

Phe Ser Tyr Tyr Gly Thr Met Ala Leu Thr Ser Val Pro Ser Asp Arg
465 470 475 480
Ser Pro Ala His Pro Thr Pro Leu Ser Arg Ser Ala Ser Leu Ser Tyr
485 490 495
Pro Asp Arg Thr Asp Val Ser Thr Ala Ala Thr Leu Ala Gly Ser Ser
500 505 510
Asn Gln Phe Gly Ser Ser Val Leu Gly Gln Tyr Ile Ser Asp Phe Ser
515 520 525
Val Arg Ala Leu Val Asp Leu Gln Tyr Ile Lys Ile Thr Arg Gln Gln
530 535 540
Tyr Gln Asn Gly Leu Leu Ala Ser Arg Met Glu Asn Ser Pro Gln Phe
545 550 555 560
Pro Ile Asp Gly Cys Thr Thr His Met Glu Asn Leu Ala Glu Lys Ser
565 570 575
Glu Leu Pro Val Val Asp Glu Thr Thr Thr Leu Leu Asn Glu Arg Asn
580 585 590
Ser Leu Leu His Lys Ala Ser His Glu Asn Ala Ile
595 600

<210> 1170

<211> 189

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu

1		5		10		15									
Met	Ala	Val	Ala	Ala	Pro	Ser	Arg	Ala	Arg	Gly	Ser	Gly	Cys	Arg	Ala
			20					25					30		
Gly	Thr	Gly	Ala	Arg	Gly	Ala	Gly	Ala	Glu	Gly	Arg	Glu	Gly	Glu	Ala
		35					40					45			
Cys	Gly	Thr	Val	Gly	Leu	Leu	Leu	Glu	His	Ser	Phe	Glu	Ile	Asp	Asp
	50					55					60				
Ser	Ala	Asn	Phe	Arg	Lys	Arg	Gly	Ser	Leu	Leu	Trp	Asn	Gln	Gln	Asp
	65				70					75					80
Gly	Thr	Leu	Ser	Leu	Ser	Gln	Arg	Gln	Leu	Ser	Glu	Glu	Glu	Arg	Gly
				85					90					95	
Arg	Leu	Arg	Asp	Val	Ala	Ala	Leu	Asn	Gly	Leu	Tyr	Arg	Val	Arg	Ile
			100					105					110		
Pro	Arg	Arg	Pro	Gly	Ala	Leu	Asp	Gly	Leu	Glu	Ala	Gly	Gly	Tyr	Val
		115					120					125			
Ser	Ser	Phe	Val	Pro	Ala	Cys	Ser	Leu	Val	Glu	Ser	His	Leu	Ser	Asp
	130					135					140				
Gln	Leu	Thr	Leu	His	Val	Asp	Val	Ala	Gly	Asn	Val	Val	Gly	Val	Ser
	145				150					155					160
Val	Val	Thr	His	Pro	Met	Ala	Pro	Xaa	Ser	Pro	Xaa	Gly	Phe	Pro	Leu
				165					170					175	
Pro	Trp	Ser	Xaa	Ala	Glu	Ile	Leu	Ala	Thr	Ile	Gln	Phe			
			180					185							

<210> 1171

<211> 117

<212> PRT

<213> Homo sapiens

<400> 1171

Ala	Ala	Ser	Ala	Gly	Ala	Thr	Arg	Leu	Leu	Leu	Leu	Leu	Leu	Met	Ala
1				5				10						15	
Val	Ala	Ala	Pro	Ser	Arg	Ala	Arg	Gly	Ser	Gly	Cys	Arg	Ala	Gly	Thr
			20					25					30		
Gly	Ala	Arg	Gly	Ala	Gly	Ala	Glu	Gly	Arg	Glu	Gly	Glu	Ala	Cys	Gly
		35					40					45			

Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Leu Ala Thr Met
 50 55 60
 Pro Val Leu Thr Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly
 65 70 75 80
 Thr Cys Arg Leu Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu
 85 90 95
 Thr Leu Leu Ser Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala
 100 105 110
 Ala Pro Pro Ser Leu
 115

<210> 1172
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1172
 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
 20 25 30
 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
 35 40 45
 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
 50 55 60
 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
 65 70 75 80
 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly
 85 90 95
 Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
 100 105 110
 Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
 115 120 125
 Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
 130 135 140
 Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
 145 150 155 160

Val Val Thr His Pro Met Ala Pro Cys Ser Pro Arg Gly Phe Pro Pro
 165 170 175
 Ala His Gly Val Glu Pro Glu Ile Leu Ala Thr Met Pro Val Leu Thr
 180 185 190
 Ser His Pro Pro Thr Pro Ser Pro Cys Ser Leu Gly Thr Cys Arg Leu
 195 200 205
 Leu Ser Ser Leu Cys Ala Phe Val Pro Gly Gly Leu Thr Leu Leu Ser
 210 215 220
 Leu Ala Gly Leu Gly Gly Pro Val Gln Ala Pro Ala Ala Pro Pro Ser
 225 230 235 240
 Leu

<210> 1173

<211> 265

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (215)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
 1 5 10 15

Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
 20 25 30

Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
 35 40 45

Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
 50 55 60

Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly
 65 70 75 80

Ile Ser Thr Asp Ser Glu Val Leu Thr His Tyr Asn Ile Thr Gly Asn
 85 90 95

Thr Ile Cys Leu Phe Arg Leu Val Asp Asn Glu Gln Leu Asn Leu Glu
 100 105 110

Asp Glu Asp Ile Glu Ser Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile
 115 120 125
 Glu Ile Asn Ser Leu His Met Val Thr Glu Tyr Asn Pro Val Thr Val
 130 135 140
 Ile Gly Leu Phe Asn Ser Val Ile Gln Ile His Leu Leu Leu Ile Met
 145 150 155 160
 Asn Lys Ala Ser Pro Glu Tyr Glu Glu Asn Met His Arg Tyr Gln Lys
 165 170 175
 Ala Ala Lys Leu Phe Gln Gly Lys Ile Leu Phe Ile Leu Val Asp Ser
 180 185 190
 Gly Met Lys Glu Asn Gly Lys Val Ile Ser Phe Phe Lys Leu Lys Glu
 195 200 205
 Ser Gln Leu Pro Ala Leu Xaa Ile Tyr Gln Thr Leu Asp Asp Glu Trp
 210 215 220
 Asp Thr Leu Pro Thr Ala Glu Val Ser Val Glu His Val Gln Asn Phe
 225 230 235 240
 Cys Asp Gly Phe Leu Ser Gly Lys Leu Leu Lys Glu Asn Arg Glu Ser
 245 250 255
 Glu Gly Lys Thr Pro Lys Val Glu Leu
 260 265

<210> 1174

<211> 265

<212> PRT

<213> Homo sapiens

<400> 1174

Met Phe Leu Leu Phe Leu Leu Thr Cys Glu Leu Ala Ala Glu Val Ala
 1 5 10 15
 Ala Glu Val Glu Lys Ser Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro
 20 25 30
 Thr Trp Leu Thr Asp Val Pro Ala Ala Met Glu Phe Ile Ala Ala Thr
 35 40 45
 Glu Val Ala Val Ile Gly Phe Phe Gln Asp Leu Glu Ile Pro Ala Val
 50 55 60
 Pro Ile Leu His Ser Met Val Gln Lys Phe Pro Gly Val Ser Phe Gly

Tyr Pro Gly Ala Gly Asn Ala Gly Ser Ala Thr Ser Gln Cys Gln Leu
 35 40 45
 Thr Arg Cys Gly Ala Trp Leu Ser Ser Thr Ala Arg Ser Val Gly Thr
 50 55 60
 Thr Ser Gly Ala Gly His Arg Trp Gly Pro Arg Pro Pro Ala Thr Gly
 65 70 75 80
 Ala Ala Ser Pro Cys Ile Gln His Gly Ser Ser Pro Arg Ala Gly Thr
 85 90 95
 Gly Thr Arg Ile Ala Ala Ala Pro Thr Leu Thr Pro Ala Gln Leu Pro
 100 105 110
 Thr Ala Thr Thr Gly Glu Ser Pro Thr Cys Leu Gly His Pro Val Leu
 115 120 125
 Thr Pro Arg Ala Gly Ser Arg Thr Thr Cys Pro Lys Cys Ser Thr Pro
 130 135 140
 Ala Thr Leu Thr Leu Ala Val Ala Pro Leu Trp Pro Pro Ala
 145 150 155

<210> 1176

<211> 291

<212> PRT

<213> Homo sapiens

<400> 1176

Met Ser Gln Glu Gly Val Glu Leu Glu Lys Ser Val Arg Arg Leu Arg
 1 5 10 15
 Glu Lys Phe His Gly Lys Val Ser Ser Lys Lys Ala Gly Ala Leu Met
 20 25 30
 Arg Lys Phe Gly Ser Asp His Thr Gly Val Gly Arg Ser Ile Val Tyr
 35 40 45
 Gly Val Lys Gln Lys Asp Gly Gln Glu Leu Ser Asn Asp Leu Asp Ala
 50 55 60
 Gln Asp Pro Pro Glu Asp Met Lys Gln Asp Arg Asp Ile Gln Ala Val
 65 70 75 80
 Ala Thr Ser Leu Leu Pro Leu Thr Glu Ala Asn Leu Arg Met Phe Gln
 85 90 95
 Arg Ala Gln Asp Asp Leu Ile Pro Ala Val Asp Arg Gln Phe Ala Cys
 100 105 110

Ser Ser Cys Asp His Val Trp Trp Arg Arg Val Pro Gln Arg Lys Glu
 115 120 125
 Val Ser Arg Cys Arg Lys Cys Arg Lys Arg Tyr Glu Pro Val Pro Ala
 130 135 140
 Asp Lys Met Trp Gly Leu Ala Glu Phe His Cys Pro Lys Cys Arg His
 145 150 155 160
 Asn Phe Arg Gly Trp Ala Gln Met Gly Ser Pro Ser Pro Cys Tyr Gly
 165 170 175
 Cys Gly Phe Pro Val Tyr Pro Thr Arg Ile Leu Pro Pro Arg Trp Asp
 180 185 190
 Arg Asp Pro Asp Arg Arg Ser Thr His Thr His Ser Cys Ser Ala Ala
 195 200 205
 Asp Cys Tyr Asn Arg Arg Glu Pro His Val Pro Gly Thr Ser Cys Ala
 210 215 220
 His Pro Lys Ser Arg Lys Gln Asn His Leu Pro Lys Val Leu His Pro
 225 230 235 240
 Ser Asn Pro His Ile Ser Ser Gly Ser Thr Val Ala Thr Cys Leu Ser
 245 250 255
 Gln Gly Gly Leu Leu Glu Asp Leu Asp Asn Leu Ile Leu Glu Asp Leu
 260 265 270
 Lys Glu Glu Glu Glu Glu Glu Glu Glu Val Glu Asp Glu Glu Gly Gly
 275 280 285
 Pro Arg Glu
 290

<210> 1177
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 1177
 Met Arg Gly Thr Gln Leu Val Leu Leu Ala Leu Val Leu Ala Ala Cys
 1 5 10 15
 Gly Glu Leu Ala Pro Ala Leu Arg Cys Tyr Val Cys Pro Glu Pro Thr
 20 25 30
 Gly Val Ser Asp Cys Val Thr Ile Ala Thr Cys Thr Thr Asn Glu Thr

Gly Asp Ser Thr Val Thr Lys Ser Cys Ala Ser Lys Cys Lys Pro Ser
65 70 75 80

Asp Val Asp Gly Ile Gly Gln Thr Leu Pro Val Ser Cys Cys Asn Thr
85 90 95

Glu Leu Cys Asn Val Asp Gly Ala Pro Ala Leu Asn Ser Leu His Cys
100 105 110

Gly Ala Leu Thr Leu Leu Pro Leu Leu Ser Leu Arg Leu
115 120 125

<210> 1180

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Met Pro Asp Val Gln Gly Pro Trp His Pro Ala His Pro Pro Ile Pro
1 5 10 15

Ser Ala Ala Leu Cys Leu Leu Trp Pro His Cys Leu Ala Ala Pro Lys
20 25 30

Tyr Ala Arg Pro Arg Cys Leu Leu Val Phe Val Leu Cys Asp Arg Ser
35 40 45

Ala Trp Asn Ile Leu Leu Tyr Ser Val Gly Ser Lys Val Ser Gly Leu
50 55 60

Cys Ser Asn Cys Ser Leu Val Pro Gly Val Val Ala His Thr Cys Asn
65 70 75 80

Pro Lys Val Pro Leu Gly Leu Gln Gly Cys Glu Leu Pro Cys Pro Ala
85 90 95

Glu His Leu Ile Phe Ser Lys Xaa Leu Ser Ser Cys Ala Thr Trp Ala
100 105 110

His Cys Phe Leu Gly Leu Ser Xaa Cys Trp Cys Leu His Pro His Pro
 115 120 125

His Pro Ser Trp
 130

<210> 1181
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 1181
 Ser Gly Leu Ala Trp Ala Leu Leu Leu Ser Leu Pro Gly Gly Leu Arg
 1 5 10 15
 Ser Ser Ser Ala Arg Leu Pro Pro Glu Pro Phe His Gly Gln Gly Leu
 20 25 30
 Ser Ser Val Gly Ala Ile Arg Arg Arg Val Cys Arg Ser Val Arg Leu
 35 40 45
 Gly Asp Pro Trp Gly Met Glu Gly Thr Thr Arg Pro Phe Pro Ser Val
 50 55 60
 Pro Cys Gln Ala Val Leu Thr Ala Ala Ser Ser Gln Gly Arg Lys Pro
 65 70 75 80
 Gly Gln Arg Gln Arg Leu Leu Val Pro Ser Ile Pro
 85 90

<210> 1182
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 1182
 Thr Phe Arg Leu Val Ser Ala His Leu Lys Thr Arg Lys Leu Ile Asn
 1 5 10 15
 Pro Glu Ala Ala Glu Arg Arg Trp Arg Asp Trp Asp Ser Arg Gln Gly
 20 25 30
 Trp Leu Ser Val Lys Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr
 35 40 45
 Leu Ser Arg Val Leu Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala
 50 55 60

Arg	Gln	Pro	Arg	Ile	Met	Glu	Glu	Lys	Ala	Leu	Glu	Val	Tyr	Asp	Leu
65					70					75					80
Ile	Arg	Thr	Ile	Arg	Asp	Pro	Glu	Lys	Pro	Asn	Thr	Leu	Glu	Glu	Leu
				85					90					95	
Glu	Val	Val	Ser	Glu	Ser	Cys	Val	Glu	Val	Gln	Glu	Ile	Asn	Glu	Glu
			100					105					110		
Glu	Tyr	Leu	Val	Ile	Ile	Arg	Phe	Thr	Pro	Thr	Val	Pro	His	Cys	Ser
		115					120						125		
Leu	Ala	Thr	Leu	Ile	Val	Gly	Asn	Leu	His	Phe					
	130					135									

<210> 1183
 <211> 143
 <212> PRT
 <213> Homo sapiens

<400> 1183															
Met	Pro	Asp	Val	Gln	Gly	Pro	Trp	His	Pro	Ala	His	Pro	Pro	Ile	Pro
1				5					10					15	
Ser	Ala	Ala	Leu	Cys	Leu	Leu	Trp	Pro	His	Cys	Leu	Ala	Ala	Pro	Lys
			20					25					30		
Tyr	Ala	Arg	Pro	Arg	Cys	Leu	Leu	Val	Phe	Val	Leu	Cys	Asp	Arg	Ser
		35					40					45			
Ala	Trp	Asn	Ile	Leu	Leu	Tyr	Ser	Val	Gly	Ser	Lys	Val	Ser	Gly	Leu
	50					55					60				
Cys	Ser	Asn	Cys	Ser	Leu	Val	Pro	Gly	Val	Val	Ala	His	Thr	Cys	Asn
65					70					75					80
Pro	Lys	Val	Pro	Leu	Gly	Leu	Gln	Gly	Cys	Glu	Leu	Pro	Cys	Pro	Ala
				85					90					95	
Glu	His	Leu	Ile	Phe	Ser	Lys	Cys	Leu	Ser	Ser	Cys	Ala	Thr	Trp	Ala
			100					105					110		
His	Cys	Phe	Leu	Gly	Leu	Ser	Cys	Cys	Trp	Cys	Leu	His	Pro	His	Pro
		115					120					125			
His	Pro	Ser	Trp	Pro	Ala	Pro	Phe	Leu	Ser	Arg	Trp	Ala	His	Val	
	130					135					140				

<210> 1184
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 1184
 Met Gly Gln Gly Ala Cys Lys Asn Met Ser Val Gly Ser
 1 5 10

<210> 1185
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 1185
 Asn Ser Glu Lys Gly Gln Lys Lys Gln Arg Gly Pro Arg Trp Ile Cys
 1 5 10 15

 Gln Leu Phe Cys Arg Cys Phe Leu Pro Leu Leu Trp Val Val Cys Ser
 20 25 30

 Pro Leu Gln Thr Ser Ala Arg Arg Glu Gly Leu Asn Leu Pro Ala Pro
 35 40 45

 Gln Asp Leu Leu Pro Ser Gly Pro Ser Pro Ala Leu Arg Ser Leu Pro
 50 55 60

 Asp Arg Arg Val Asp Arg Ala Thr Trp Ala Ala Arg Glu Thr His Gly
 65 70 75 80

 Gly Pro Pro Cys Gly Gln Pro Cys Gln Leu Pro Pro Ser Pro Glu Leu
 85 90 95

 His Leu His Leu Glu Glu
 100

<210> 1186
 <211> 259
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1186
 Ala Gly Ala Trp Val Ser Leu Gly Pro Cys Leu Phe Pro Ala Pro Ala

1		5		10		15											
Asp	Ser	Glu	Gln	Arg	Pro	Trp	Val	Arg	Arg	Val	Gly	Val	Gly	Pro	Leu		
			20					25					30				
Pro	Ala	Glu	Pro	Gly	Gln	Gly	Glu	Leu	Gln	Glu	Ser	Pro	Leu	Cys	Pro		
		35					40					45					
Cys	Ser	Trp	Asn	Val	Pro	Gln	Arg	Pro	His	Leu	Lys	Gly	Xaa	Cys	Ala		
		50				55					60						
Gly	Gly	Val	Ala	Gln	Ser	His	Thr	Ala	Ser	Thr	Leu	Ser	Ser	Gly	Thr		
65					70					75					80		
Gly	Asp	Ser	Gly	Cys	Ser	Gly	Lys	Gly	Leu	Leu	Asp	Val	Thr	Tyr	Asn		
				85					90					95			
Ser	Val	Arg	Leu	Glu	Thr	Asp	Ala	Gly	Gly	Gly	Arg	Ala	Gly	Pro	Pro		
			100					105					110				
Gly	Ile	Thr	Asp	His	Arg	Lys	Met	Gly	Gly	Gly	Ser	Arg	Gly	Pro	Ala		
		115					120					125					
Pro	Thr	Pro	Ser	Cys	Leu	Thr	Leu	Leu	Ser	Cys	Pro	His	Pro	Cys	Ala		
		130				135					140						
Phe	Val	Pro	Glu	Thr	Arg	Val	Ala	Thr	Gln	Ala	Gly	Pro	Gly	Ser	Ser		
145					150					155					160		
Leu	Ile	Leu	Pro	Leu	Pro	Ser	Glu	Pro	Cys	Ser	Ser	Leu	Pro	Ser	Pro		
				165					170					175			
Leu	Pro	Pro	Leu	Pro	Arg	Arg	Val	Thr	Ser	Asp	Arg	Ala	Pro	Leu	Ala		
			180					185					190				
Ile	Gln	Gly	Gly	Ser	Arg	Gly	Leu	Asp	Arg	Arg	Ala	Arg	Arg	Leu	Pro		
		195					200					205					
Ala	Val	Ala	Gly	Ala	Ser	Cys	Pro	Cys	Arg	Val	Gly	Glu	Leu	Ser	Gly		
		210				215					220						
Arg	Glu	Pro	Tyr	Leu	Pro	Ser	Ala	Lys	Thr	Val	Lys	Val	Tyr	Arg	Leu		
225					230					235					240		
Phe	Thr	Asp	Phe	Tyr	Leu	Asn	Cys	Lys	Ser	Ala	Asp	Phe	Val	Asn	Val		
				245					250					255			
Leu	Gly	Val															

<210> 1187
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 1187

Met	Gly	Gln	Gly	Ala	Cys	Gln	Lys	Tyr	Val	Cys	Trp	Phe	Leu	Asn	Val
1				5					10					15	
Val	Cys	Pro	Cys	Pro	Pro	Gly	Ser	Gly	Arg	Val	His	Val	Ser	Pro	His
			20					25					30		
Thr	Cys	Ala	Arg	Glu	Gly	Ala	Ser	Trp	Arg	Gly	Asp	Ser	Arg	Ala	Arg
		35					40					45			
Gly	Leu	His	Leu	Trp	Leu	Pro	Leu	Ala	Ser	Leu	Gly	Gly	Pro	Gly	Leu
	50					55					60				
Pro	Gly	Ser	Gln	Ala	Leu	Ser	Cys	Gly	Thr	Trp	His	Leu	Ala	Asp	Gln
65					70					75					80
Leu	Ala	Gly	Arg	Lys	Ile	Gly	Gly	His	Arg	Ala	Gly	Gly	Gln	Cys	Pro
				85					90					95	
Leu	Pro	Val	Ser	Ile	Arg	Ser	Thr	Cys	His	Cys	Met	Gln	Pro	Val	Gly
			100					105					110		
Thr	Phe	Leu	Ala	Val	Arg	Asn									
				115											

<210> 1188
 <211> 177
 <212> PRT
 <213> Homo sapiens

<400> 1188

Met	Arg	Gly	Ser	Val	Glu	Cys	Thr	Trp	Gly	Trp	Gly	His	Cys	Ala	Pro
1				5					10					15	
Ser	Pro	Leu	Leu	Leu	Trp	Thr	Leu	Leu	Leu	Phe	Ala	Ala	Pro	Phe	Gly
			20					25					30		
Leu	Leu	Gly	Glu	Lys	Thr	Arg	Gln	Val	Ser	Leu	Glu	Val	Ile	Pro	Asn
		35					40					45			
Trp	Leu	Gly	Pro	Leu	Gln	Asn	Leu	Leu	His	Ile	Arg	Ala	Val	Gly	Thr
	50					55					60				
Asn	Ser	Thr	Leu	His	Tyr	Val	Trp	Ser	Ser	Leu	Gly	Pro	Leu	Ala	Val
65					70					75					80

Val	Met	Val	Ala	Thr	Asn	Thr	Pro	His	Ser	Thr	Leu	Ser	Val	Asn	Trp
				85					90					95	
Ser	Leu	Leu	Leu	Ser	Pro	Glu	Pro	Asp	Gly	Gly	Leu	Met	Val	Leu	Pro
			100					105					110		
Lys	Asp	Ser	Ile	Gln	Phe	Ser	Ser	Ala	Leu	Val	Phe	Thr	Arg	Leu	Leu
		115					120					125			
Glu	Phe	Asp	Ser	Thr	Asn	Val	Ser	Asp	Thr	Ala	Ala	Lys	Pro	Leu	Gly
	130					135					140				
Arg	Pro	Tyr	Pro	Pro	Tyr	Ser	Leu	Ala	Asp	Phe	Ser	Trp	Asn	Asn	Ile
145					150					155					160
Thr	Asp	Ser	Leu	Asp	Pro	Ala	Thr	Leu	Ser	Ala	Thr	Phe	Gln	Gly	Thr
				165					170					175	

Pro-

<210> 1189
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 1189

Arg	Pro	Thr	Arg	Pro	Leu	Asn	Cys	Gly	Arg	Met	Arg	Gly	Ser	Val	Glu
1				5					10					15	
Cys	Thr	Trp	Gly	Trp	Gly	His	Cys	Ala	Pro	Ser	Pro	Leu	Leu	Leu	Trp
			20					25					30		
Thr	Leu	Leu	Leu	Phe	Ala	Ala	Pro	Phe	Gly	Leu	Leu	Gly	Glu	Lys	Thr
			35				40					45			
Arg	Gln	Leu	Leu	Glu	Phe	Asp	Ser	Thr	Asn	Val	Ser	Asp	Thr	Ala	Ala
	50					55					60				
Lys	Pro	Leu	Gly	Arg	Pro	Tyr	Pro	Pro	Tyr	Ser	Leu	Ala	Asp	Phe	Ser
65					70					75					80
Trp	Asn	Asn	Ile	Thr	Asp	Ser	Leu	Asp	Pro	Ala	Thr	Leu	Ser	Ala	Thr
				85					90					95	
Phe	Gln	Gly	His	Pro	Met	Asn	Asp	Pro	Thr	Arg	Thr	Phe	Ala	Asn	Gly
			100					105					110		
Ser	Leu	Ala	Phe	Arg	Val	Gln	Ala	Phe	Ser	Arg	Ser	Ser	Arg	Pro	Ala

115							120						125					
Gln	Pro	Pro	Arg	Leu	Leu	His	Thr	Ala	Asp	Thr	Cys	Gln	Leu	Glu	Val			
130						135					140							
Ala	Leu	Ile	Gly	Ala	Ser	Pro	Arg	Gly	Asn	Arg	Ser	Leu	Phe	Gly	Leu			
145					150					155					160			
Glu	Val	Ala	Thr	Leu	Gly	Gln	Gly	Pro	Asp	Cys	Pro	Ser	Met	Gln	Glu			
				165					170					175				
Gln	His	Ser	Ile	Asp	Asp	Glu	Tyr	Ala	Pro	Ala	Val	Phe	Gln	Leu	Asp			
			180					185					190					
Gln	Leu	Leu	Trp	Gly	Ser	Leu	Pro	Ser	Gly	Phe	Ala	Gln	Trp	Arg	Pro			
	195						200					205						
Val	Ala	Tyr	Ser	Gln	Lys	Pro	Gly	Gly	Arg	Glu	Ser	Ala	Leu	Pro	Cys			
210						215					220							
Gln	Ala	Ser	Pro	Leu	His	Pro	Ala	Leu	Ala	Tyr	Ser	Leu	Pro	Gln	Ser			
225					230					235					240			
Pro	Ile	Val	Arg	Ala	Phe	Phe	Gly	Ser	Gln	Asn	Asn	Phe	Cys	Ala	Phe			
				245					250					255				
Asn	Leu	Thr	Phe	Gly	Ala	Ser	Thr	Gly	Pro	Gly	Tyr	Trp	Asp	Gln	His			
			260					265					270					
Tyr	Leu	Ser	Trp	Ser	Met	Leu	Leu	Gly	Val	Gly	Phe	Pro	Pro	Val	Asp			
	275						280					285						
Gly	Leu	Ser	Pro	Leu	Val	Leu	Gly	Ile	Met	Ala	Val	Ala	Leu	Gly	Ala			
290						295					300							
Pro	Gly	Leu	Met	Leu	Leu	Gly	Gly	Gly	Leu	Val	Leu	Leu	Leu	His	His			
305					310					315					320			
Lys	Lys	Tyr	Ser	Glu	Tyr	Gln	Ser	Ile	Asn									
				325					330									

<210> 1190

<211> 95

<212> PRT

<213> Homo sapiens

<400> 1190

Met	Ala	Ala	Ser	Arg	Trp	Ala	Arg	Lys	Ala	Val	Val	Leu	Leu	Cys	Ala
1				5					10					15	

Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 20 25 30
 Ala Ala Glu Ala Arg Pro Gly Arg Pro Thr Ser Leu Pro His Leu Pro
 35 40 45
 Gly Arg Arg Arg Arg Ile Phe Ala Ile Thr Met Met Gln Thr Trp Arg
 50 55 60
 Val Phe Trp Ser Asn Gly Arg Lys Met Met Thr Leu Lys Lys Glu Ile
 65 70 75 80
 Phe Gln Ser Thr Arg Asp Leu Gln His Leu Ser Thr Ser Gln Arg
 85 90 95

<210> 1191
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 1191
 Met Ala Ala Ser Arg Trp Ala Arg Lys Ala Val Val Leu Leu Cys Ala
 1 5 10 15
 Ser Asp Leu Leu Leu Leu Leu Leu Leu Leu Pro Pro Pro Gly Ser Cys
 20 25 30
 Ala Ala Glu Gly Ser Pro Gly Thr Pro Asp Glu Ser Thr Pro Pro Pro
 35 40 45
 Arg Lys Lys Lys Lys Asp Ile Arg Asp Tyr Asn Asp Ala Asp Met Ala
 50 55 60
 Arg Leu Leu Glu Gln Trp Glu Lys Asp Asp Asp Ile Glu Glu Gly Asp
 65 70 75 80
 Leu Pro Glu His Lys Arg Pro Ser Ala Pro Val Asp Phe Ser Lys Ile
 85 90 95
 Asp Pro Ser Lys Pro Glu Ser Ile Leu Lys Met Thr Lys Lys Gly Lys
 100 105 110
 Thr Leu Met Met Phe Val Thr Val Ser Gly Ser Pro Thr Glu Lys Glu
 115 120 125
 Thr Glu Glu Ile Thr Ser Leu Trp Gln Gly Ser Leu Phe Asn Ala Asn
 130 135 140
 Tyr Asp Val Gln Arg Phe Ile Val Gly Ser Asp Arg Ala Ile Phe Met
 145 150 155 160

Leu Arg Asp Gly Ser Tyr Ala Trp Glu Ile Lys Asp Phe Leu Val Gly
165 170 175

Gln Asp Arg Cys Ala Asp Val Thr Leu Glu Gly Gln Val Tyr Pro Gly
180 185 190

Lys Gly Gly Gly Ser Lys Glu Lys Asn Lys Thr Lys Gln Asp Lys Gly
195 200 205

Lys Lys Lys Lys Glu Gly Asp Leu Lys Ser Arg Ser Ser Lys Glu Glu
210 215 220

Asn Arg Ala Gly Asn Lys Arg Glu Asp Leu
225 230

<210> 1192
<211> 108
<212> PRT
<213> Homo sapiens

<400> 1192
Met Arg Ala Leu Ser Gly Gly Glu Arg Ser Phe Ser Thr Val Cys Phe
1 5 10 15

Ile Leu Ser Leu Trp Ser Ile Ala Glu Ser Pro Phe Arg Cys Leu Asp
20 25 30

Glu Phe Asp Val Tyr Met Asp Met Val Asn Arg Arg Ile Ala Met Asp
35 40 45

Leu Ile Leu Lys Met Ala Asp Ser Gln Arg Phe Arg Gln Phe Ile Leu
50 55 60

Leu Thr Pro Gln Ser Met Ser Ser Leu Pro Ser Ser Lys Leu Ile Arg
65 70 75 80

Ile Leu Arg Met Ser Asp Pro Glu Arg Gly Gln Thr Thr Leu Pro Phe
85 90 95

Arg Pro Val Thr Gln Glu Glu Asp Asp Asp Gln Arg
100 105

<210> 1193
<211> 108
<212> PRT
<213> Homo sapiens

<400> 1193

Met Arg Ala Leu Ser Gly Gly Glu Arg Ser Phe Ser Thr Val Cys Phe
1 5 10 15

Ile Leu Ser Leu Trp Ser Ile Ala Glu Ser Pro Phe Arg Cys Leu Asp
20 25 30

Glu Phe Asp Val Tyr Met Asp Met Val Asn Arg Arg Ile Ala Met Asp
35 40 45

Leu Ile Leu Lys Met Ala Asp Ser Gln Arg Phe Arg Gln Phe Ile Leu
50 55 60

Leu Thr Pro Gln Ser Met Ser Ser Leu Pro Ser Ser Lys Leu Ile Arg
65 70 75 80

Ile Leu Arg Met Ser Asp Pro Glu Arg Gly Gln Thr Thr Leu Pro Phe
85 90 95

Arg Pro Val Thr Gln Glu Glu Asp Asp Asp Gln Arg
100 105

<210> 1194

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1194

Arg Leu Leu His Phe Asn Cys His Ser Gly Phe Leu Thr Gln Ser Pro
1 5 10 15

Tyr Cys Arg Gln Ala Arg His Arg Xaa Leu His Gln Gly Xaa Xaa Pro
20 25 30

Ala Ala Ala Arg Leu Trp Cys Asp Cys Gln Arg Pro Ala Pro Arg Val

35 40 45
 Ala Arg Thr Glu Leu Gly Arg His Thr Gly Ile His Gly Ser Thr Phe
 50 55 60
 Ser Ser Thr Thr Leu Gly Pro Ile Phe Trp Leu Leu Val Lys Ser Pro
 65 70 75 80
 Glu Leu Ala Ala Gln Pro Ser Thr Tyr Leu Ala Val Ala Glu Glu Leu
 85 90 95
 Ala Asp Val Ser Gly Lys Tyr Phe Asp Gly Leu Lys Gln Lys Ala Pro
 100 105 110
 Ala Pro Glu Ala Glu Asp Glu Glu Val Ala Arg Arg Leu Trp Ala Glu
 115 120 125
 Ser Ala Arg Leu Val Gly Leu Glu Ala Pro Ser Val Arg Glu Gln Pro
 130 135 140
 Leu Pro Arg
 145

<210> 1195
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1195
 Met Ser Arg Tyr Leu Leu Pro Leu Ser Ala Leu Gly Thr Val Ala Gly
 1 5 10 15
 Ala Ala Val Leu Leu Lys Asp Tyr Val Thr Gly Gly Ala Cys Pro Ser
 20 25 30
 Lys Ala Thr Ile Pro Gly Lys Thr Val Ile Val Thr Gly Ala Asn Thr
 35 40 45
 Gly Ile Gly Lys Gln Thr Ala Leu Glu Leu Ala Arg Arg Gly Gly Asn
 50 55 60
 Ile Ile Leu Ala Cys Arg Asp Met Glu Lys Cys Glu Ala Ala Ala Lys
 65 70 75 80
 Asp Ile Arg Gly Glu Thr Leu Asn His His Val Asn Ala Arg His Leu
 85 90 95
 Asp Leu Ala Ser Leu Lys Ser Ile Arg Glu Phe Ala Ala Lys Ile Ile
 100 105 110

Glu	Glu	Glu	Glu	Arg	Val	Asp	Ile	Leu	Ile	Asn	Asn	Ala	Gly	Val	Met
115				120				125							
Arg	Cys	Pro	His	Trp	Thr	Thr	Glu	Asp	Gly	Phe	Glu	Met	Gln	Phe	Gly
130			135			140									
Val	Asn	His	Leu	Gly	His	Phe	Leu	Leu	Thr	Asn	Leu	Leu	Leu	Asp	Lys
145		150		155		160									
Leu	Lys	Ala	Ser	Ala	Pro	Ser	Arg	Ile	Ile	Asn	Leu	Ser	Ser	Leu	Ala
165				170				175							
His	Val	Ala	Gly	His	Ile	Asp	Phe	Asp	Asp	Leu	Asn	Trp	Gln	Thr	Arg
180			185			190									
Lys	Tyr	Asn	Thr	Lys	Ala	Ala	Tyr	Cys	Gln	Ser	Lys	Leu	Ala	Ile	Val
195			200			205									
Leu	Phe	Thr	Lys	Glu	Leu	Ser	Arg	Arg	Leu	Gln	Gly	Thr	Gly	Ala	Leu
210		215		220											
Gly	Ser	Ala	Ser	Leu	Leu	Leu	Tyr	Ser	Glu	Pro	Arg	Ala	Ala	Phe	Pro
225		230		235		240									

<210> 1196
 <211> 174
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (160)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (162)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1196
 Met Ala Val Ala Arg Leu Ala Ala Val Ala Ala Trp Val Pro Cys Arg
 1 5 10 15

Ser Trp Gly Trp Ala Ala Val Pro Phe Gly Pro His Arg Gly Leu Ser
 20 25 30
 Val Leu Leu Ala Arg Ile Pro Gln Arg Ala Pro Arg Trp Leu Pro Ala
 35 40 45
 Cys Arg Gln Lys Thr Ser Leu Ser Phe Leu Asn Arg Pro Asp Leu Pro
 50 55 60
 Asn Leu Ala Tyr Lys Lys Leu Lys Gly Lys Ser Pro Gly Ile Ile Phe
 65 70 75 80
 Ile Pro Gly Tyr Leu Ser Tyr Met Asn Gly Thr Lys Ala Leu Ala Ile
 85 90 95
 Glu Glu Phe Cys Lys Ser Leu Gly His Ala Cys Ile Arg Phe Asp Tyr
 100 105 110
 Ser Gly Val Gly Ser Ser Asp Gly Asn Ser Glu Glu Ser Thr Leu Gly
 115 120 125
 Lys Trp Arg Lys Asp Val Leu Ser Ile Ile Asp Asp Leu Xaa Asp Gly
 130 135 140
 Pro Gln Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu Xaa
 145 150 155 160
 Ala Xaa Asn Cys Thr Thr Arg Glu Gly Leu Ala Leu Ile Gly
 165 170

<210> 1197

<211> 160

<212> PRT

<213> Homo sapiens

<400> 1197

Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu His Ala Ala
 1 5 10 15
 Ile Ala Arg Pro Glu Lys Val Val Ala Leu Ile Gly Val Ala Thr Ala
 20 25 30
 Ala Asp Thr Leu Val Thr Lys Phe Asn Gln Leu Pro Val Glu Leu Lys
 35 40 45
 Lys Glu Val Glu Met Lys Gly Val Trp Ser Met Pro Ser Lys Tyr Ser
 50 55 60
 Glu Glu Gly Val Tyr Asn Val Gln Tyr Ser Phe Ile Lys Glu Ala Glu

65					70					75				80	
His	His	Cys	Leu	Leu	His	Ser	Pro	Ile	Pro	Val	Asn	Cys	Pro	Ile	Arg
				85					90					95	
Leu	Leu	His	Gly	Met	Lys	Asp	Asp	Ile	Val	Pro	Trp	His	Thr	Ser	Met
			100					105					110		
Gln	Val	Ala	Asp	Arg	Val	Leu	Ser	Thr	Asp	Val	Asp	Val	Ile	Leu	Arg
		115					120					125			
Lys	His	Ser	Asp	His	Arg	Met	Arg	Glu	Lys	Ala	Asp	Ile	Gln	Leu	Leu
	130					135					140				
Val	Tyr	Thr	Ile	Asp	Asp	Leu	Ile	Asp	Lys	Leu	Ser	Thr	Ile	Val	Asn
145					150					155					160

<210> 1198
 <211> 306
 <212> PRT
 <213> Homo sapiens

<400> 1198															
Met	Ala	Val	Ala	Arg	Leu	Ala	Ala	Val	Ala	Ala	Trp	Val	Pro	Cys	Arg
1				5					10					15	
Ser	Trp	Gly	Trp	Ala	Ala	Val	Pro	Phe	Gly	Pro	His	Arg	Gly	Leu	Ser
			20					25					30		
Val	Leu	Leu	Ala	Arg	Ile	Pro	Gln	Arg	Ala	Pro	Arg	Trp	Leu	Pro	Ala
		35					40					45			
Cys	Arg	Gln	Lys	Thr	Ser	Leu	Ser	Phe	Leu	Asn	Arg	Pro	Asp	Leu	Pro
	50					55				60					
Asn	Leu	Ala	Tyr	Lys	Lys	Leu	Lys	Gly	Lys	Ser	Pro	Gly	Ile	Ile	Phe
65					70					75					80
Ile	Pro	Gly	Tyr	Leu	Ser	Tyr	Met	Asn	Gly	Thr	Lys	Ala	Leu	Ala	Ile
				85					90					95	
Glu	Glu	Phe	Cys	Lys	Ser	Leu	Gly	His	Ala	Cys	Ile	Arg	Phe	Asp	Tyr
			100					105					110		
Ser	Gly	Val	Gly	Ser	Ser	Asp	Gly	Asn	Ser	Glu	Glu	Ser	Thr	Leu	Gly
		115					120					125			

Lys Trp Arg Lys Asp Val Leu Ser Ile Ile Asp Asp Leu Ala Asp Gly
 130 135 140
 Pro Gln Ile Leu Val Gly Ser Ser Leu Gly Gly Trp Leu Met Leu His
 145 150 155 160
 Ala Ala Ile Ala Arg Pro Glu Lys Val Val Ala Leu Ile Gly Val Ala
 165 170 175
 Thr Ala Ala Asp Thr Leu Val Thr Lys Phe Asn Gln Leu Pro Val Glu
 180 185 190
 Leu Lys Lys Glu Val Glu Met Lys Gly Val Trp Ser Met Pro Ser Lys
 195 200 205
 Tyr Ser Glu Glu Gly Val Tyr Asn Val Gln Tyr Ser Phe Ile Lys Glu
 210 215 220
 Ala Glu His His Cys Leu Leu His Ser Pro Ile Pro Val Asn Cys Pro
 225 230 235 240
 Ile Arg Leu Leu His Gly Met Lys Asp Asp Ile Val Pro Trp His Thr
 245 250 255
 Ser Met Gln Val Ala Asp Arg Val Leu Ser Thr Asp Val Asp Val Ile
 260 265 270
 Leu Arg Lys His Ser Asp His Arg Met Arg Glu Lys Ala Asp Ile Gln
 275 280 285
 Leu Leu Val Tyr Thr Ile Asp Asp Leu Ile Asp Lys Leu Ser Thr Ile
 290 295 300
 Val Asn
 305

<210> 1199
 <211> 205
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (189)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1199

Met Gly Ser Trp Ala Leu Leu Trp Pro Pro Leu Leu Phe Thr Gly Leu
1 5 10 15

Leu Val Arg Pro Pro Gly Thr Met Ala Gln Ala Gln Tyr Cys Ser Val
20 25 30

Asn Lys Asp Ile Phe Glu Val Xaa Glu Asn Thr Asn Val Thr Glu Pro
35 40 45

Leu Val Asp Ile His Val Pro Glu Gly Gln Glu Val Thr Leu Gly Ala
50 55 60

Leu Ser Thr Pro Phe Ala Phe Arg Ile Gln Gly Asn Gln Leu Phe Leu
65 70 75 80

Asn Val Thr Pro Asp Tyr Glu Glu Lys Ser Leu Leu Glu Ala Gln Leu
85 90 95

Leu Cys Gln Ser Gly Gly Thr Leu Val Thr Gln Leu Arg Val Phe Val
100 105 110

Ser Val Leu Asp Val Asn Asp Asn Ala Pro Glu Phe Pro Phe Lys Thr
115 120 125

Lys Glu Ile Arg Val Glu Glu Asp Thr Lys Val Asn Ser Thr Val Ile
130 135 140

Pro Glu Thr Gln Leu Gln Ala Glu Asp Arg Asp Lys Asp Asp Ile Leu
145 150 155 160

Val Tyr Thr Leu Gln Glu Met Thr Ala Gly Ala Ser Gly Leu Leu Leu
165 170 175

Leu Val Ser Val Asn Arg Pro Pro Glu Leu Asp Arg Xaa Leu Thr Ser
180 185 190

Thr Ser Gly Glu His Asp Leu Leu Leu Ala Gly Ala Asp
195 200 205

<210> 1200

<211> 124

<212> PRT

<213> Homo sapiens

<400> 1200

Pro Gln Gly Gln Leu Gly Ala Arg Pro Gln Pro His Ala Arg Pro Gln
1 5 10 15

Ala	Arg	Gly	Gly	Thr	Asp	Ala	Arg	Arg	Ala	Arg	Thr	Pro	Arg	Pro	Cys
			20					25					30		
Leu	Pro	Arg	Arg	Cys	Pro	Glu	Pro	Pro	Ala	Ala	Ala	Arg	Ala	Gly	Gly
		35					40					45			
Ser	Pro	Thr	Ala	Val	Arg	Ser	Ile	Leu	Thr	Lys	Glu	Arg	Arg	Pro	Glu
	50					55					60				
Gly	Gly	Tyr	Lys	Ala	Val	Trp	Phe	Gly	Glu	Asp	Ile	Gly	Thr	Glu	Ala
65					70					75					80
Asp	Val	Val	Val	Leu	Asn	Ala	Pro	Thr	Leu	Asp	Val	Asp	Gly	Ala	Ser
				85					90					95	
Asp	Ser	Gly	Ser	Gly	Asp	Glu	Gly	Glu	Gly	Ala	Gly	Arg	Gly	Gly	Gly
			100					105					110		
Pro	Tyr	Asp	Ala	Pro	Gly	Gly	Asp	Asp	Ser	Tyr	Ile				
		115					120								

<210> 1201

<211> 447

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (260)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1201

Phe	Pro	Ala	Gly	Ala	Ala	Ser	Thr	Val	Leu	Ala	His	Asn	Lys	Met	Leu
1				5					10					15	

Lys	Val	Ser	Ala	Val	Leu	Cys	Val	Cys	Ala	Ala	Ala	Trp	Cys	Ser	Gln
			20					25					30		

Ser	Leu	Ala	Ala	Ala	Ala	Ala	Val	Ala	Ala	Ala	Gly	Gly	Arg	Ser	Asp
		35					40					45			

Gly	Gly	Asn	Phe	Leu	Asp	Asp	Lys	Gln	Trp	Leu	Thr	Thr	Ile	Ser	Gln
50						55					60				

Tyr	Asp	Lys	Glu	Val	Gly	Gln	Trp	Asn	Lys	Phe	Arg	Asp	Asp	Asp	Tyr
65					70					75					80

Phe	Arg	Thr	Trp	Ser	Pro	Gly	Lys	Pro	Phe	Asp	Gln	Ala	Leu	Asp	Pro
				85					90					95	

Ala	Lys	Asp	Pro	Cys	Leu	Lys	Met	Lys	Cys	Ser	Arg	His	Lys	Val	Cys	
			100					105					110			
Ile	Ala	Gln	Asp	Ser	Gln	Thr	Ala	Val	Cys	Ile	Ser	His	Arg	Arg	Leu	
		115					120					125				
Thr	His	Arg	Met	Lys	Glu	Ala	Gly	Val	Asp	His	Arg	Gln	Trp	Arg	Gly	
	130					135					140					
Pro	Ile	Leu	Ser	Thr	Cys	Lys	Gln	Cys	Pro	Val	Val	Tyr	Pro	Ser	Pro	
145					150					155					160	
Val	Cys	Gly	Ser	Asp	Gly	His	Thr	Tyr	Ser	Phe	Gln	Cys	Lys	Leu	Glu	
				165					170					175		
Tyr	Gln	Ala	Cys	Val	Leu	Gly	Lys	Gln	Ile	Ser	Val	Lys	Cys	Glu	Gly	
			180					185					190			
His	Cys	Pro	Cys	Pro	Ser	Asp	Lys	Pro	Thr	Ser	Thr	Ser	Arg	Asn	Val	
		195					200					205				
Lys	Arg	Ala	Cys	Ser	Asp	Leu	Glu	Phe	Arg	Glu	Val	Ala	Asn	Arg	Leu	
	210					215					220					
Arg	Asp	Trp	Phe	Lys	Ala	Leu	His	Glu	Ser	Gly	Ser	Gln	Asn	Lys	Lys	
225					230					235					240	
Thr	Lys	Thr	Leu	Leu	Arg	Pro	Glu	Arg	Ser	Arg	Phe	Asp	Thr	Ser	Ile	
				245					250					255		
Leu	Pro	Ile	Xaa	Lys	Asp	Ser	Leu	Gly	Trp	Met	Phe	Asn	Arg	Leu	Asp	
			260					265					270			
Thr	Asn	Tyr	Asp	Leu	Leu	Leu	Asp	Gln	Ser	Glu	Leu	Arg	Ser	Ile	Tyr	
		275					280					285				
Leu	Asp	Lys	Asn	Glu	Gln	Cys	Thr	Lys	Ala	Phe	Phe	Asn	Ser	Cys	Asp	
	290					295					300					
Thr	Tyr	Lys	Asp	Ser	Leu	Ile	Ser	Asn	Asn	Glu	Trp	Cys	Tyr	Cys	Phe	
305					310					315					320	
Gln	Arg	Gln	Gln	Asp	Pro	Pro	Cys	Gln	Thr	Glu	Leu	Ser	Asn	Ile	Gln	
				325					330					335		
Lys	Arg	Gln	Gly	Val	Lys	Lys	Leu	Leu	Gly	Gln	Tyr	Ile	Pro	Leu	Cys	
			340				345						350			
Asp	Glu	Asp	Gly	Tyr	Tyr	Lys	Pro	Thr	Gln	Cys	His	Gly	Ser	Val	Gly	
		355					360					365				
Gln	Cys	Trp	Cys	Val	Asp	Arg	Tyr	Gly	Asn	Glu	Val	Met	Gly	Ser	Arg	

370 375 380
 Ile Asn Gly Val Ala Asp Cys Ala Ile Asp Phe Glu Ile Ser Gly Asp
 385 390 395 400
 Phe Ala Ser Gly Asp Phe His Glu Trp Thr Asp Asp Glu Asp Asp Glu
 405 410 415
 Asp Asp Ile Met Asn Asp Glu Asp Glu Ile Glu Asp Asp Asp Glu Asp
 420 425 430
 Glu Gly Asp Asp Asp Asp Gly Gly Asp Asp His Asp Val Tyr Ile
 435 440 445

 <210> 1202
 <211> 551
 <212> PRT
 <213> Homo sapiens

 <400> 1202
 Met Gly Ser Trp Ala Leu Leu Trp Pro Pro Leu Leu Phe Thr Gly Leu
 1 5 10 15
 Leu Val Arg Pro Pro Gly Thr Met Ala Gln Ala Gln Tyr Cys Ser Val
 20 25 30
 Asn Lys Asp Ile Phe Glu Val Glu Glu Asn Thr Asn Val Thr Glu Pro
 35 40 45
 Leu Val Asp Ile His Val Pro Glu Gly Gln Glu Val Thr Leu Gly Ala
 50 55 60
 Leu Ser Thr Pro Phe Ala Phe Arg Ile Gln Gly Asn Gln Leu Phe Leu
 65 70 75 80
 Asn Val Thr Pro Asp Tyr Glu Glu Lys Ser Leu Leu Glu Ala Gln Leu
 85 90 95
 Leu Cys Gln Ser Gly Gly Thr Leu Val Thr Gln Leu Arg Val Phe Val
 100 105 110
 Ser Val Leu Asp Val Asn Asp Asn Ala Pro Glu Phe Pro Phe Lys Thr
 115 120 125
 Lys Glu Ile Arg Val Glu Glu Asp Thr Lys Val Asn Ser Thr Val Ile
 130 135 140
 Pro Glu Thr Gln Leu Gln Ala Glu Asp Arg Asp Lys Asp Asp Ile Leu
 145 150 155 160

Phe	Tyr	Thr	Leu	Gln	Glu	Met	Thr	Ala	Gly	Ala	Ser	Asp	Tyr	Phe	Ser	165	170	175
Leu	Val	Ser	Val	Asn	Arg	Pro	Ala	Leu	Arg	Leu	Asp	Arg	Pro	Leu	Asp	180	185	190
Phe	Tyr	Glu	Arg	Pro	Asn	Met	Thr	Phe	Trp	Leu	Leu	Val	Arg	Asp	Thr	195	200	205
Pro	Gly	Glu	Asn	Val	Glu	Pro	Ser	His	Thr	Ala	Thr	Ala	Thr	Leu	Val	210	215	220
Leu	Asn	Val	Val	Pro	Ala	Asp	Leu	Arg	Pro	Pro	Trp	Phe	Leu	Pro	Cys	225	230	235
Thr	Phe	Ser	Asp	Gly	Tyr	Val	Cys	Ile	Gln	Ala	Gln	Tyr	His	Gly	Ala	245	250	255
Val	Pro	Thr	Gly	His	Ile	Leu	Pro	Ser	Pro	Leu	Val	Leu	Arg	Pro	Gly	260	265	270
Pro	Ile	Tyr	Ala	Glu	Asp	Gly	Asp	Arg	Gly	Ile	Asn	Gln	Pro	Ile	Ile	275	280	285
Tyr	Ser	Ile	Phe	Arg	Gly	Asn	Val	Asn	Gly	Thr	Phe	Ile	Ile	His	Pro	290	295	300
Asp	Ser	Gly	Asn	Leu	Thr	Val	Ala	Arg	Ser	Val	Pro	Ser	Pro	Met	Thr	305	310	315
Phe	Leu	Leu	Leu	Val	Lys	Gly	Gln	Gln	Ala	Asp	Leu	Ala	Arg	Tyr	Ser	325	330	335
Val	Thr	Gln	Val	Thr	Val	Glu	Ala	Val	Ala	Ala	Ala	Gly	Ser	Pro	Pro	340	345	350
Arg	Phe	Pro	Gln	Ser	Leu	Tyr	Arg	Gly	Thr	Val	Ala	Arg	Gly	Ala	Gly	355	360	365
Ala	Gly	Val	Val	Val	Lys	Asp	Ala	Ala	Ala	Pro	Ser	Gln	Pro	Leu	Arg	370	375	380
Ile	Gln	Ala	Gln	Asp	Pro	Glu	Phe	Ser	Asp	Leu	Asn	Ser	Ala	Ile	Thr	385	390	395
Tyr	Arg	Ile	Thr	Asn	His	Ser	His	Phe	Arg	Met	Glu	Gly	Glu	Val	Val	405	410	415
Leu	Thr	Thr	Thr	Thr	Leu	Ala	Gln	Ala	Gly	Ala	Phe	Tyr	Ala	Glu	Val	420	425	430
Ala	Ala	Pro	Arg	Arg	Thr	Ser	Ala	Ser	Arg	Trp	Trp	Ile	Trp	Arg	Pro			

435							440									445
Trp	Ala	Gly	Cys	Trp	Val	Arg	Cys	Cys	Cys	Trp	Leu	Ser	Leu	Ala	Ser	
450						455					460					
Pro	Ser	Leu	Ser	Thr	Ser	Thr	Met	Ala	Pro	Gly	Ser	Ser	Ala	Ala	Leu	
465					470					475					480	
Ala	Lys	Leu	Arg	Ser	Pro	Ser	Pro	Lys	Ala	Leu	Thr	Thr	Arg	Arg	Ser	
				485					490					495		
Ser	Leu	Thr	Thr	Arg	Pro	Thr	Gly	Arg	Pro	Ser	Pro	Ala	Pro	Arg	Thr	
			500					505					510			
Thr	Pro	Ser	Pro	Arg	Arg	His	Arg	Cys	Pro	Gln	Ser	Pro	His	Pro	Pro	
		515					520					525				
Ala	Leu	Pro	Pro	Gln	Ala	Val	Pro	Leu	Ser	Pro	Pro	Gln	Arg	Pro	Glu	
	530					535					540					
Leu	Ala	Glu	Ala	Pro	Arg	Arg										
545					550											

<210> 1203

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1203

Phe	Cys	Lys	Gly	Gln	Ala	Ala	Leu	Ala	Leu	Ala	Ala	Cys	Gly	Val	Leu
1				5				10						15	

Leu	Xaa	Ser	Gly	Gly	Pro	Ala	Ala	Ala	Trp	Glu	Ala	Asp	Pro	Ala	Gly
			20				25					30			

Arg	Cys	Gly	Arg	Val	Pro	Thr	Ala	Arg	Gly	Arg	Ser	Trp	Arg	Lys	Pro
	35						40					45			

Leu	Cys	Gly	Ala	Phe	Gln	Pro	Gly	Xaa	Ser	Trp	Pro	Glu	Ala	Pro	Arg
50						55					60				

Arg Cys Arg Thr Ser Pro Cys
 65 70

<210> 1204
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1204
 Asn Ser Xaa Xaa Asp Pro Asp Asn Val Leu Trp Pro Gly Arg Trp Thr
 1 5 10 15
 Gln Phe Cys Cys Ile Lys Val Lys Xaa Asp Phe Gln Glu Glu Ala Ser
 20 25 30
 Val Gly Val Ser Xaa Gly Gly Tyr Arg Ile Gly Val Asp Glu Asn Gln
 35 40 45
 Xaa Lys Gly Cys
 50

<210> 1205

<211> 138
<212> PRT
<213> Homo sapiens

<400> 1205

Val	Phe	Cys	Lys	Gly	Gln	Ala	Ala	Leu	Ala	Leu	Ala	Ala	Cys	Gly	Val
1				5				10						15	
Leu	Leu	Gly	Ser	Gly	Gly	Pro	Ala	Ala	Ala	Trp	Glu	Ala	Asp	Pro	Arg
			20					25					30		
Gly	Gln	Val	Trp	Pro	Cys	Pro	Asp	Arg	Ala	Arg	Thr	Glu	Val	Gly	Gly
		35					40					45			
Ser	Pro	Cys	Ala	Val	Pro	Ser	Ser	Pro	Glu	Glu	Ala	Gly	Leu	Lys	Pro
	50					55					60				
Pro	Gly	Val	Ala	Glu	Ala	Ser	Pro	Cys	Gln	Arg	Pro	Lys	Pro	Arg	Leu
65					70					75					80
Gly	Phe	Tyr	Arg	Cys	Ser	Phe	Pro	Ser	Thr	Trp	Ser	Pro	Ser	Thr	Pro
				85					90					95	
Ser	Ser	Pro	Asn	Ser	Gln	Pro	Pro	Phe	Phe	Phe	Phe	Leu	His	Ala	Ser
			100					105					110		
Lys	Val	Gln	Gly	Pro	Gln	Met	Tyr	Arg	Ser	Leu	Met	Tyr	His	Pro	Ala
		115					120					125			
Arg	Glu	Pro	Ala	Asp	Tyr	Gln	Ala	Lys	Lys						
	130					135									

<210> 1206
<211> 193
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1206

Met	Ala	Gly	Pro	Thr	Cys	Arg	Ser	Leu	Leu	Leu	Leu	Lys	Cys	Leu	Ala
1				5				10						15	

Glu	Gly	Arg	Cys	Leu	Val	Cys	Pro	Ser	Pro	Ser	Val	Val	His	Cys	Leu
			20					25					30		

Val	Ser	Val	Val	Phe	Gln	Met	Thr	Ile	Leu	Arg	Asp	Leu	Glu	Lys	Leu
		35					40					45			

Ala	Gly	Trp	His	Arg	Ile	Ala	Ile	Ile	Phe	Ile	Leu	Ser	Gly	Ile	Thr
	50					55					60				

Gly	Asn	Leu	Ala	Ser	Ala	Ile	Phe	Leu	Pro	Tyr	Arg	Ala	Glu	Val	Gly
65					70					75					80

Pro	Ala	Gly	Ser	Gln	Phe	Gly	Leu	Leu	Ala	Cys	Ser	Ser	Trp	Ser	Ser
				85					90					95	

Ser	Arg	Ala	Gly	Arg	Cys	Trp	Arg	Gly	Pro	Gly	Arg	Pro	Ser	Ser	Thr
		100						105					110		

Ser	Arg	Pro	Ser	Cys	Ser	Ser	Trp	Ser	Ser	Val	Ala	Ser	Cys	Pro	Gly
		115					120					125			

Ser	Thr	His	Arg	Pro	His	Leu	Arg	Ala	Ser	Ser	Xaa	Ala	Xaa	Leu	Leu
	130					135					140				

Ala	Phe	Xaa	Phe	Leu	Pro	Tyr	Ile	Thr	Phe	Xaa	His	Gln	Ala	Thr	Ser
145					150					155					160

Thr	Xaa	Ser	Gly	His	Leu	Ile	Pro	Gly	Gly	His	Leu	Ala	Gly	Pro	Leu
				165					170					175	

Ala	Gly	Pro	Ser	Leu	Ala	Arg	Pro	Phe	Gly	Ala	Trp	Gly	Leu	Gly	Thr
			180					185					190		

Phe

<210> 1207

<211> 349

<212> PRT

<213> Homo sapiens

<400> 1207

Gly Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp
1 5 10 15

Pro Arg Val Arg Asp Asp Thr Gly Pro Pro Met Asp Lys Ser Asp Leu
20 25 30

Gly Gln Lys Arg Thr Ser Gly Ala Val Cys His Gln Asp Pro Arg Thr
35 40 45

Cys Glu Glu Pro Ala Ser Ser Gly Ala His Ile Trp Pro Asp Asp Ile
50 55 60

Thr Lys Trp Pro Ile Cys Thr Glu Gln Ala Arg Ser Asn His Thr Gly
65 70 75 80

Phe Leu His Val Asp Cys Glu Ile Lys Gly Arg Pro Cys Cys Ile Gly
85 90 95

Thr Lys Gly Ser Cys Glu Ile Thr Thr Arg Glu Tyr Cys Glu Phe Met
100 105 110

His Gly Tyr Phe His Glu Glu Ala Thr Leu Cys Ser Gln Val His Cys
115 120 125

Leu Asp Lys Val Cys Gly Leu Leu Pro Phe Leu Asn Pro Glu Val Pro
130 135 140

Asp Gln Phe Tyr Arg Leu Trp Leu Ser Leu Phe Leu His Ala Gly Val
145 150 155 160

Val His Cys Leu Val Ser Val Val Phe Gln Met Thr Ile Leu Arg Asp
165 170 175

Leu Glu Lys Leu Ala Gly Trp His Arg Ile Ala Ile Ile Phe Ile Leu
180 185 190

Ser Gly Ile Thr Gly Asn Leu Ala Ser Ala Ile Phe Leu Pro Tyr Arg
195 200 205

Ala Glu Val Gly Pro Ala Gly Ser Gln Phe Gly Leu Leu Ala Cys Leu
210 215 220

Phe Val Glu Leu Phe Gln Ser Trp Pro Leu Leu Glu Arg Pro Trp Lys
225 230 235 240

115		120		125											
Ile	Asp	Asn	Ile	Ala	His	Ile	Phe	Gly	Phe	Leu	Ser	Gly	Leu	Leu	Leu
	130					135					140				
Ala	Phe	Ala	Phe	Leu	Pro	Tyr	Ile	Thr	Phe	Gly	Thr	Ser	Asp	Lys	Tyr
145					150					155					160
Arg	Lys	Arg	Ala	Leu	Ile	Leu	Val	Ser	Leu	Leu	Ala	Phe	Ala	Gly	Leu
				165					170					175	
Phe	Ala	Ala	Leu	Val	Leu	Trp	Leu	Tyr	Ile	Tyr	Pro	Ile	Asn	Trp	Pro
			180					185					190		
Trp	Ile	Glu	His	Leu	Thr	Cys	Phe	Pro	Phe	Thr	Ser	Arg	Phe	Cys	Glu
	195						200					205			
Lys	Tyr	Glu	Leu	Asp	Gln	Val	Leu	His							
	210					215									

<210> 1209

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (141)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (169)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (178)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (194)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 1209
 Met Tyr Tyr Ile Ala His Leu Leu Lys Gly Ala Leu Leu Phe Ile Thr
 1 5 10 15

 Ile Ala Leu Ile Gly Ser Gly Trp Ala Phe Ile Lys Tyr Val Leu Ser
 20 25 30

 Asp Lys Glu Lys Lys Val Phe Gly Ile Val Ile Pro Met Gln Val Leu
 35 40 45

 Ala Thr Trp Pro Thr Ser Ser Ser Ser Pro Ala Arg Lys Ala Pro Ala
 50 55 60

 Thr Thr Cys Cys Gly Xaa Xaa Xaa Xaa Pro Xaa Gly Pro His Leu Leu
 65 70 75 80

 Xaa Cys His Pro Val Pro Val Val Xaa Xaa His Pro Ala Ser Xaa Gly
 85 90 95

 Xaa Val Xaa Pro Gln Asp Gly Lys Xaa Ala Ser Glu Pro Gly Gln Ser
 100 105 110

 Leu Lys Leu Val Pro Gly Ile Tyr Tyr Val Met Gly His Leu Xaa Arg
 115 120 125

 Leu Leu Ser Pro Gly Ser Ile Gly His Pro Ala Cys Xaa Val Ala Trp
 130 135 140

 Cys Pro Phe Ser Ser Gly Lys Trp Ala Cys Thr Gln Ala Ser Trp Val
 145 150 155 160

 Gly Arg Ala Ser Thr Leu Gly Pro Xaa Phe Gly Ala Tyr Arg Ala Tyr
 165 170 175

 Lys Xaa Ser Gly Pro Gln Gly Asn Lys Pro Xaa Thr Leu Asn Leu Pro
 180 185 190

 Lys Xaa Gly Gln Gly Gly Met Val Lys Met Glu Gln Val Met Asp
 195 200 205

<210> 1210

<211> 553

<212> PRT

<213> Homo sapiens

<400> 1210

Val Asp Pro Arg Val Arg Val Ala Pro Glu Met Ala Val Ser Glu Arg
1 5 10 15

Arg Gly Leu Gly Arg Gly Ser Pro Ala Glu Trp Gly Gln Arg Leu Leu
20 25 30

Leu Val Leu Leu Leu Gly Gly Cys Ser Gly Arg Ile His Arg Leu Ala
35 40 45

Leu Thr Gly Glu Lys Arg Ala Asp Ile Gln Leu Asn Ser Phe Gly Phe
50 55 60

Tyr Thr Asn Gly Ser Leu Glu Val Glu Leu Ser Val Leu Arg Leu Gly
65 70 75 80

Leu Arg Glu Ala Glu Glu Lys Ser Leu Leu Val Gly Phe Ser Leu Ser
85 90 95

Arg Val Arg Ser Gly Arg Val Arg Ser Tyr Ser Thr Arg Asp Phe Gln
100 105 110

Asp Cys Pro Leu Gln Lys Asn Ser Ser Ser Phe Leu Val Leu Phe Leu
115 120 125

Ile Asn Thr Lys Asp Leu Gln Val Gln Val Arg Lys Tyr Gly Glu Gln
130 135 140

Lys Thr Leu Phe Ile Phe Pro Gly Leu Leu Pro Glu Ala Pro Ser Lys
145 150 155 160

Pro Gly Leu Pro Lys Pro Gln Ala Thr Val Pro Arg Lys Val Asp Gly
165 170 175

Gly Gly Thr Ser Ala Ala Ser Lys Pro Lys Ser Thr Pro Ala Val Ile
180 185 190

Gln Gly Pro Ser Gly Lys Asp Lys Asp Leu Val Leu Gly Leu Ser His
195 200 205

Leu Asn Asn Ser Tyr Asn Phe Ser Phe His Val Val Ile Gly Ser Gln
210 215 220

Ala Glu Glu Gly Gln Tyr Ser Leu Asn Phe His Asn Cys Asn Asn Ser

225					230					235				240
Val	Pro	Gly	Lys	Glu	His	Pro	Phe	Asp	Ile	Thr	Val	Met	Ile	Arg
				245					250					255
Lys	Asn	Pro	Asp	Gly	Phe	Leu	Ser	Ala	Ala	Glu	Met	Pro	Leu	Phe
			260					265					270	Lys
Leu	Tyr	Met	Val	Met	Ser	Ala	Cys	Phe	Leu	Ala	Ala	Gly	Ile	Phe
		275					280					285		Trp
Val	Ser	Ile	Leu	Cys	Arg	Asn	Thr	Tyr	Ser	Val	Phe	Lys	Ile	His
	290					295					300			Trp
Leu	Met	Ala	Ala	Leu	Ala	Phe	Thr	Lys	Ser	Ile	Ser	Leu	Leu	Phe
305					310					315				His
Ser	Ile	Asn	Tyr	Tyr	Phe	Ile	Asn	Ser	Gln	Gly	His	Pro	Ile	Glu
				325					330					335
Leu	Ala	Val	Met	Tyr	Tyr	Ile	Ala	His	Leu	Leu	Lys	Gly	Ala	Leu
			340					345					350	Leu
Phe	Ile	Thr	Ile	Ala	Leu	Ile	Gly	Ser	Gly	Trp	Ala	Phe	Ile	Lys
		355					360					365		Tyr
Val	Leu	Ser	Asp	Lys	Glu	Lys	Lys	Val	Phe	Gly	Ile	Val	Ile	Pro
	370					375						380		Met
Gln	Val	Leu	Ala	Asn	Val	Ala	Tyr	Ile	Ile	Ile	Glu	Ser	Arg	Glu
385					390					395				400
Gly	Ala	Ser	Asp	Tyr	Val	Leu	Trp	Lys	Glu	Ile	Leu	Phe	Leu	Val
				405					410					415
Leu	Ile	Cys	Cys	Gly	Ala	Ile	Leu	Phe	Pro	Val	Val	Trp	Ser	Ile
			420					425					430	Arg
His	Leu	Gln	Asp	Ala	Ser	Gly	Thr	Asp	Gly	Lys	Val	Ala	Val	Asn
		435					440					445		Leu
Ala	Lys	Leu	Lys	Leu	Phe	Arg	His	Tyr	Tyr	Val	Met	Val	Ile	Cys
	450					455					460			Tyr
Val	Tyr	Phe	Thr	Arg	Ile	Ile	Ala	Ile	Leu	Leu	Gln	Val	Ala	Val
465					470					475				Pro
Phe	Gln	Trp	Gln	Trp	Leu	Tyr	Gln	Leu	Leu	Val	Glu	Gly	Ser	Thr
				485				490						495
Ala	Phe	Phe	Val	Leu	Thr	Gly	Tyr	Lys	Phe	Gln	Pro	Thr	Gly	Asn
			500					505					510	Asn

Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu Glu Asp Val Gln Met Glu
515 520 525

Gln Val Met Thr Asp Ser Gly Phe Arg Glu Gly Leu Ser Lys Val Asn
530 535 540

Lys Thr Ala Ser Gly Arg Glu Leu Leu
545 550

<210> 1211

<211> 543

<212> PRT

<213> Homo sapiens

<400> 1211

Met Ala Val Ser Glu Arg Arg Gly Leu Gly Arg Gly Ser Pro Ala Glu
1 5 10 15

Trp Gly Gln Arg Leu Leu Leu Val Leu Leu Leu Gly Gly Cys Ser Gly
20 25 30

Arg Ile His Arg Leu Ala Leu Thr Gly Glu Lys Arg Ala Asp Ile Gln
35 40 45

Leu Asn Ser Phe Gly Phe Tyr Thr Asn Gly Ser Leu Glu Val Glu Leu
50 55 60

Ser Val Leu Arg Leu Gly Leu Arg Glu Ala Glu Glu Lys Ser Leu Leu
65 70 75 80

Val Gly Phe Ser Leu Ser Arg Val Arg Ser Gly Arg Val Arg Ser Tyr
85 90 95

Ser Thr Arg Asp Phe Gln Asp Cys Pro Leu Gln Lys Asn Ser Ser Ser
100 105 110

Phe Leu Val Leu Phe Leu Ile Asn Thr Lys Asp Leu Gln Val Gln Val
115 120 125

Arg Lys Tyr Gly Glu Gln Lys Thr Leu Phe Ile Phe Pro Gly Leu Leu
130 135 140

Pro Glu Ala Pro Ser Lys Pro Gly Leu Pro Lys Pro Gln Ala Thr Val
145 150 155 160

Pro Arg Lys Val Asp Gly Gly Gly Thr Ser Ala Ala Ser Lys Pro Lys
165 170 175

Ser Thr Pro Ala Val Ile Gln Gly Pro Ser Gly Lys Asp Lys Asp Leu

180						185						190					
Val	Leu	Gly	Leu	Ser	His	Leu	Asn	Asn	Ser	Tyr	Asn	Phe	Ser	Phe	His		
		195					200					205					
Val	Val	Ile	Gly	Ser	Gln	Ala	Glu	Glu	Gly	Gln	Tyr	Ser	Leu	Asn	Phe		
	210					215					220						
His	Asn	Cys	Asn	Asn	Ser	Val	Pro	Gly	Lys	Glu	His	Pro	Phe	Asp	Ile		
225					230					235					240		
Thr	Val	Met	Ile	Arg	Glu	Lys	Asn	Pro	Asp	Gly	Phe	Leu	Ser	Ala	Ala		
				245					250					255			
Glu	Met	Pro	Leu	Phe	Lys	Leu	Tyr	Met	Val	Met	Ser	Ala	Cys	Phe	Leu		
			260					265					270				
Ala	Ala	Gly	Ile	Phe	Trp	Val	Ser	Ile	Leu	Cys	Arg	Asn	Thr	Tyr	Ser		
		275					280					285					
Val	Phe	Lys	Ile	His	Trp	Leu	Met	Ala	Ala	Leu	Ala	Phe	Thr	Lys	Ser		
	290					295					300						
Ile	Ser	Leu	Leu	Phe	His	Ser	Ile	Asn	Tyr	Tyr	Phe	Ile	Asn	Ser	Gln		
305					310					315					320		
Gly	His	Pro	Ile	Glu	Gly	Leu	Ala	Val	Met	Tyr	Tyr	Ile	Ala	His	Leu		
				325					330					335			
Leu	Lys	Gly	Ala	Leu	Leu	Phe	Ile	Thr	Ile	Ala	Leu	Ile	Gly	Ser	Gly		
			340					345					350				
Trp	Ala	Phe	Ile	Lys	Tyr	Val	Leu	Ser	Asp	Lys	Glu	Lys	Lys	Val	Phe		
		355					360					365					
Gly	Ile	Val	Ile	Pro	Met	Gln	Val	Leu	Ala	Asn	Val	Ala	Tyr	Ile	Ile		
	370					375					380						
Ile	Glu	Ser	Arg	Glu	Glu	Gly	Ala	Ser	Asp	Tyr	Val	Leu	Trp	Lys	Glu		
385					390					395					400		
Ile	Leu	Phe	Leu	Val	Asp	Leu	Ile	Cys	Cys	Gly	Ala	Ile	Leu	Phe	Pro		
				405				410						415			
Val	Val	Trp	Ser	Ile	Arg	His	Leu	Gln	Asp	Ala	Ser	Gly	Thr	Asp	Gly		
			420					425					430				
Lys	Val	Ala	Val	Asn	Leu	Ala	Lys	Leu	Lys	Leu	Phe	Arg	His	Tyr	Tyr		
		435					440					445					
Val	Met	Val	Ile	Cys	Tyr	Val	Tyr	Phe	Thr	Arg	Ile	Ile	Ala	Ile	Leu		
	450					455					460						

Leu Gln Val Ala Val Pro Phe Gln Trp Gln Trp Leu Tyr Gln Leu Leu
465 470 475 480

Val Glu Gly Ser Thr Leu Ala Phe Phe Val Leu Thr Gly Tyr Lys Phe
485 490 495

Gln Pro Thr Gly Asn Asn Pro Tyr Leu Gln Leu Pro Gln Glu Asp Glu
500 505 510

Glu Asp Val Gln Met Glu Gln Val Met Thr Asp Ser Gly Phe Arg Glu
515 520 525

Gly Leu Ser Lys Val Asn Lys Thr Ala Ser Gly Arg Glu Leu Leu
530 535 540

<210> 1212

<211> 204

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1212

Met Ala Ala Leu Ala Tyr Asn Leu Gly Lys Arg Glu Ile Asn His Tyr
1 5 10 15

Phe Ser Val Arg Ser Ala Lys Val Leu Ala Leu Val Ala Val Leu Leu
20 25 30

Leu Ala Ala Cys His Leu Ala Ser Arg Arg Tyr Arg Gly Asn Asp Ser
35 40 45

Cys Glu Tyr Leu Leu Ser Ser Gly Arg Phe Leu Gly Glu Lys Val Trp
50 55 60

Gln Pro His Ser Cys Met Met His Lys Tyr Lys Ile Ser Glu Ala Lys
65 70 75 80

Asn Cys Leu Val Asp Lys His Ile Ala Phe Ile Gly Asp Ser Arg Ile
85 90 95

Arg Gln Leu Phe Tyr Ser Phe Val Lys Ile Ile Asn Pro Gln Phe Lys
100 105 110

Glu Glu Gly Asn Lys His Glu Asn Ile Pro Phe Glu Asp Lys Thr Ala
115 120 125

Ser Val Lys Val Asp Phe Leu Trp His Pro Glu Val Asn Gly Ser Met
130 135 140

Lys Gln Cys Ile Lys Val Trp Thr Glu Asp Ser Ile Ala Lys Pro His
145 150 155 160

Val Xaa Val Ala Gly Ala Ala Thr Trp Ser Ile Lys Ile His Asn Gly
165 170 175

Ser Ser Glu Ala Leu Ser Gln Tyr Lys Met Asn Ile Thr Phe Ile Ala
180 185 190

Pro Leu Leu Glu Lys Leu Ala Lys Thr Ser Asp Xaa
195 200

<210> 1213

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1213

Glu Leu His Lys Pro Phe Glu Tyr Leu Ile Gln Asp Asn Gly Xaa Val
1 5 10 15

Leu Leu Leu Gln Asn Asn Val Tyr Val Cys Met Tyr Ile Trp Phe Ser
20 25 30

Ile Tyr Ile Lys Gly Leu Asp Glu Pro Pro Lys Asn Trp Leu Arg Thr
35 40 45

Leu Gln Trp Asn Leu Gln Ala Ser Ile Cys Lys Ser Ala Arg His Lys
50 55 60

Thr Thr Cys Ser Leu Arg Ala Lys Arg Met Arg Phe Ser Gln Ile Leu
65 70 75 80

Ile Ile Leu Asn Val
85

<210> 1214

<211> 289

<212> PRT

<213> Homo sapiens

<400> 1214

Met	Ala	Ala	Leu	Ala	Tyr	Asn	Leu	Gly	Lys	Arg	Glu	Ile	Asn	His	Tyr	
1				5					10					15		
Phe	Ser	Val	Arg	Ser	Ala	Lys	Val	Leu	Ala	Leu	Val	Ala	Val	Leu	Leu	
			20					25					30			
Leu	Ala	Ala	Cys	His	Leu	Ala	Ser	Arg	Arg	Tyr	Arg	Gly	Asn	Asp	Ser	
		35					40					45				
Cys	Glu	Tyr	Leu	Leu	Ser	Ser	Gly	Arg	Phe	Leu	Gly	Glu	Lys	Val	Trp	
	50					55					60					
Gln	Pro	His	Ser	Cys	Met	Met	His	Lys	Tyr	Lys	Ile	Ser	Glu	Ala	Lys	
65					70					75					80	
Asn	Cys	Leu	Val	Asp	Lys	His	Ile	Ala	Phe	Ile	Gly	Asp	Ser	Arg	Ile	
				85					90					95		
Arg	Gln	Leu	Phe	Tyr	Ser	Phe	Val	Lys	Ile	Ile	Asn	Pro	Gln	Phe	Lys	
			100					105					110			
Glu	Glu	Gly	Asn	Lys	His	Glu	Asn	Ile	Pro	Phe	Glu	Asp	Lys	Thr	Ala	
		115					120					125				
Ser	Val	Lys	Val	Asp	Phe	Leu	Trp	His	Pro	Glu	Val	Asn	Gly	Ser	Met	
	130					135					140					
Lys	Gln	Cys	Ile	Lys	Val	Trp	Thr	Glu	Asp	Ser	Ile	Ala	Lys	Pro	His	
145					150					155					160	
Val	Ile	Val	Ala	Gly	Ala	Ala	Thr	Trp	Ser	Ile	Lys	Ile	His	Asn	Gly	
				165					170					175		
Ser	Ser	Glu	Ala	Leu	Ser	Gln	Tyr	Lys	Met	Asn	Ile	Thr	Ser	Ile	Ala	
			180					185					190			
Pro	Leu	Leu	Glu	Lys	Leu	Ala	Lys	Thr	Ser	Asp	Val	Tyr	Trp	Val	Leu	
		195					200					205				
Gln	Asp	Pro	Val	Tyr	Glu	Asp	Leu	Leu	Ser	Glu	Asn	Arg	Lys	Met	Ile	
	210					215					220					
Thr	Asn	Glu	Lys	Ile	Asp	Ala	Tyr	Asn	Glu	Ala	Ala	Val	Ser	Ile	Leu	
225					230					235					240	

Asn Ser Ser Thr Arg Asn Ser Lys Ser Asn Val Lys Met Phe Ser Val
245 250 255

Ser Lys Leu Ile Ala Gln Glu Thr Ile Met Glu Ser Leu Asp Gly Leu
260 265 270

His Leu Pro Glu Ser Ser Arg Glu Thr Val Arg Asn Phe Tyr Ile Cys
275 280 285

Gln

<210> 1215

<211> 215

<212> PRT

<213> Homo sapiens

<400> 1215

Cys Glu Val Arg Pro Glu Val Leu Phe Leu Thr Arg His Phe Ile Phe
1 5 10 15

His Asp Asn Asn Asn Thr Trp Glu Gly His Tyr Tyr His Tyr Ser Asp
20 25 30

Pro Val Cys Lys His Pro Thr Phe Ser Ile Tyr Ala Arg Gly Arg Tyr
35 40 45

Ser Arg Gly Val Leu Ser Ser Arg Val Met Gly Gly Thr Glu Phe Val
50 55 60

Phe Lys Val Asn His Met Lys Val Thr Pro Met Asp Ala Ala Thr Ala
65 70 75 80

Ser Leu Leu Asn Val Phe Asn Gly Asn Glu Cys Gly Ala Glu Gly Ser
85 90 95

Trp Gln Val Gly Ile Gln Gln Asp Val Thr His Thr Asn Gly Cys Val
100 105 110

Ala Leu Gly Ile Lys Leu Pro His Thr Glu Tyr Glu Ile Phe Lys Met
115 120 125

Glu Gln Asp Ala Arg Gly Arg Tyr Leu Leu Phe Asn Gly Gln Arg Pro
130 135 140

Ser Asp Gly Ser Ser Pro Asp Arg Pro Glu Lys Arg Ala Thr Ser Tyr
145 150 155 160

Gln Met Pro Leu Val Gln Cys Ala Ser Ser Ser Pro Arg Ala Glu Asp

	165		170		175										
Leu	Ala	Glu	Asp	Ser	Gly	Ser	Ser	Leu	Tyr	Gly	Arg	Ala	Pro	Gly	Arg
			180					185					190		
His	Thr	Trp	Ser	Leu	Leu	Leu	Ala	Ala	Leu	Ala	Cys	Leu	Val	Pro	Leu
		195					200					205			
Leu	His	Trp	Asn	Ile	Arg	Arg									
	210					215									

<210> 1216
 <211> 466
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (268)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (458)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (460)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (461)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (463)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1216															
Met	Ser	Trp	Pro	Arg	Arg	Leu	Leu	Leu	Arg	Tyr	Leu	Phe	Pro	Ala	Leu
1				5					10				15		
Leu	Leu	His	Gly	Leu	Gly	Glu	Gly	Ser	Ala	Leu	Leu	His	Pro	Asp	Ser
		20						25					30		
Arg	Ser	His	Pro	Arg	Ser	Leu	Glu	Lys	Ser	Ala	Trp	Arg	Ala	Phe	Lys
		35					40					45			